Birla Institute of Technology & Science, Pilani

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Practice School Division

CHRONICLES

Finance and Management

PRACTICE SCHOOL - I

SUMMER - 2021

From the Desk of the Editor

It is my great pleasure to bring forth the 3rd edition of the PS-I Chronicles. This edition features over 1800 articles from PS-I students sharing their experiences during summer 2021.

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 faculty with the enhanced information about the type and nature of work carried out at the organizations.

➢ To transform the knowledge gained at the organization into class room teaching and also to identify the scope of deepening the collaborations 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 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, 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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Domain: Finance & Management

PS-I station: Agile Connects - Market Survey, Mumbai

Student

Name: OHRI NIKHIL RAJESH (2019B2A10746G)

Student write-up

Short summary of work done: Worked on market segment analysis for the potential customers of Agile Connects Pvt. Ltd. Found out and made a database for potential customers. Found out key stakeholders in different companies in different market segments and found their contact details as well.

PS-I experience: It was good experience, learnt new things daily.

Learning outcome: Learnt how to analyze different market segments and how to create an exhaustive database of companies in a specific market segment.

Name: VEDANT NEGI (2019B2A80917G)

Student write-up

Short summary of work done: Market Survey for finding out potential partners in IoT energy optimization sector.

PS-I experience: Nice experience

Learning outcome: Learnt teamwork.

PS-I station: Akshara Livelihoods Pvt. Ltd., - Leadership Development, Hyderabad

Student

Name: MASI REDDY HARI KETAN REDDY (2019B5A21087H)

Student write-up

Short summary of work done: I've been assigned to develop self learning module on leadership development. It is like a course you generally do on the internet but it's a self learning one, I had included all the necessary things a module contains.

PS-I experience: It was a wonderful experience to get to know about how an organization functions and gained lot of skills and knowledge.

Learning outcome: It's basically lead a foundation to my future in improving my management skills and I can confidently say that I can lead a team successfully.

PS-I station: Alankaar India - Digital Marketing, Gurgaon

Student

Name: SATYAM SANJAYKUMAR MHASKE PATIL (2019A3PS0380G)

Student write-up

Short summary of work done: Made creatives for the social media team of Alankaar, which is an NGO. We had to make posters, videos and write blogs. Weekly tasks were

given to us and our work was reviewed at the end of that period. Apart from that we were taught to make animated videos on Blender.

PS-I experience: It was good experience overall. All the work was neatly laid out and explained to us beforehand. The mentors were really supportive and encouraging. There were interesting tasks given to us. We also developed inter-personal communication skills.

Learning outcome: We were taught Blender to make animated videos. I learnt more about poster making and video editing in this period. This helped me to explore my creative side. Also learnt about team dynamics and professionalism, skills that will truly help me in my future.

Name: SHUBHRA SINGHAL (2019A5PS1110P)

Student write-up

Short summary of work done: In the 6 weeks of internship journey, I had to make 6 different posters, write an article and create videos. The posters that I made was using online tools like canvas, photoshop. These posters were on the topics of important days that are often missed or forgotten by people. I made posters on national girl child day, literacy day, international day of peace and non-violence, national day for elderly and two specail posters mainly reflecting alankaars message on child growth awareness and last one on "nanhe sapne" which depicted the dream of the students studying in alankaar. These posters will definitely attract large number of people on social media and help them to be aware of such important days. I had written an article on the topic "how to rise again " which when read by the readers will boost their self confidence and also leave a mark of positivity which is needed in these tough times. I had created a grammar video on the topic conjunctions which included slides of basic definition of conjunctions and some examples which will help the underprivileged children to capture the concept of conjunctions and they will not have to compromise on quality education during the tough times. I also learnt different applications like blender to make the animated videos.

PS-I experience: The work done for social cause is a noble work and doing something for underprivileged society is an honour for me as I feel that social work is a way to make the world a better place. Contributing my abilities to the community and creating a positive impact on the lives of less privileged people gives me self satisfaction. The smile and

happiness on the children is of immense value and nothing can give more happiness than helping and providing support to underprivileged children.

Learning outcome: Through the journey of my practice school 1, I was able to learn different skills, know my abilities, go beyond my limits and learn something out of the box. Creating posters uplifted my creative thinking, writing blogs and articles boosted my content writing skills, creating videos brought me closer to new technical tools, group discussions enhanced my public speaking skills. Maintaining the deadlines and doing my work on time helped me to be more disciplined person. Gaining an industry experience and learning these skills will help me be a better person not only in a professional area but in all perspectives. Working in an industrial area surrounded by fantastic and creative people, who are motivated to help the less privileged children was a wonderful experience for me.

Name: SANJA SMIT SURESHBHAI (2019A8PS0340P)

Student write-up

Short summary of work done: We made different posters for social media using canvas app, we wrote a blog and made 2 to 3 grammar video on different topics.

PS-I experience: It was really very good.

Learning Outcome: Learnt to use Canvas and other tools.

Name: DIVYA PAMECHA (2019AAPS0334G)

Student write-up

Short summary of work done: Creating of poster regarding awareness on specific issues. Making video to help educate younger people under the organization.

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PS-I experience: During the PS, we were required to regularly submit our creatives to our mentors and get them critiqued. All the mentors were very helpful and kind helping us every step along the way. All the tools we would be needing were also demonstrated to us in a meeting prior to assigning us the work.

Learning outcome: Learnt new software like Blender. Increased creativity and changed perspective and better knowledge while researching for required topics.

Name: MEHUL NAHAR (2019B1A40919P)

Student write-up

Short summary of work done: Alankaar India is an NGO and we all were working as digital marketing interns. We all were responsible to expand their reach through social media. So we had made creatives, videos, articles to post on different social media platforms.

PS-I experience: It was first time industry experience so it was nice, the industry mentors were very helpful and were ready to help even after the working timings.

Learning outcome: I learnt some graphic designing tools and communication skills.

Name: PRAKHAR JAIMAN (2019B1A81136G)

Student write-up

Short summary of work done: We were asked to make creatives for the social media campaign of Alankaar. Apart from that we also had to write some articles and blogs for their NGO and to make a video for teaching.

PS-I experience: The mentors and seniors at Alankaar were very friendly and helped us in every way possible. With their guidance, it was easy for us to finish the internship smoothly.

Learning outcome: We learnt how to use various applications like Canvas, Photoshop, After Effects, Blender, etc.

Name: RUDRAKSH TIWARI (2019B4A41021H)

Student write-up

Short summary of work done: Work was related to digital marketing, we were supposed to promote Alankaar online by using different means like making a creative poster each week and then 2 additional special creatives for E shiksha and child growth, writing articles based on the subject matter to spread awareness about the issue the organisation is working for and we also had to make short 4-5 mins educational English grammar videos and record it explaining the basics which could be shown to the underprivileged kids to learn from.

PS-I experience: PS experience was pretty encouraging, creative and made me inspire to do something good for the children of this country who are essentially the our future. It was a continuous journey of learning new things and meeting new people.

Learning outcome: PS definitely taught many things from professionalism to how to communicate better, how to work in a team, have group discussions etc. Also, we developed skills for making an attractive poster using different tools, and how to write engaging articles also how to make good and simple presentations and how to present them.

PS-I station: Almaconnect - General Management, New Delhi

Student

Name: ARIHANT JAIN (2019A8PS0498G)

Student write-up

Short summary of work done: The project assigned at Almaconnect was to get the contacts of the individuals who were running the various departments responsible for institute's advancement.i.e. development, alumni relations, annual giving etc and compile them in tabular form in an excel sheet.

PS-I experience: It was very good learning experience. Got to interact with different people. Higher management had a positive approach towards things.

Learning outcome: Got proficient with excel and learnt communication skills. Learnt the skill to efficiently research and got the required information.

PS-I station: Americana Foods - Digital Analytics, UAE

Student

Name: VASANI ABHEE ASHVIN (2019AAPS0203G)

Student write-up

Short summary of work done: Learnt a lot about digital analytics, Google analytics, multi-channel funnel reports, Google Adwords.

PS-I experience: Good

Learning Outcome: Communication and presentation skills, got introduced to the field of digital analytics.

Name: AAYUSH KUVADIA (2019AAPS0228G)

Student write-up

Short summary of work done: Since the project I undertook was digital analytics, I did a lot of reading about Google Analytics, Multi Channel Funnels, Attribution Models. I also did a few certified courses on Facebook Ads and marketing was instructed by our Industry mentors. We also had to submit PPTs for every single thing that we learnt and present it in front of the Head of Business Intelligence of the company. Since statistics and data mining is also involved in analytics, we also read up on correlation and market basket analysis.

PS-I experience: The company will definitely gave me a corporate feel as it is a conglomerate. There was clear hierarchy in the company and we had to interact with officials at different levels in the organisation. All communication was very formal and the exposure was good.

Learning outcome: Definitely improved my communication skills and presentation skills. Also helped me get acquainted to the world of digital analytics and digital marketing.

Name: ARYAN PUWAR (2019B3A70470P)

Student write-up

Short summary of work done: We learnt google analytics, marketing platforms like snapchat ads, google ads, facebook ads, market basket analysis, correlation and some other data analysis techniques.

PS-I experience: It was good. The mentors were friendly. I learnt a quite a bit about data analysis, mostly of online advertisements. It wouldve been better if we could actually analyse the company data on a past project, but due to the lack of time, we couldnt.

Learning outcome: I learnt things about platforms like snapchat ads, google analytics and techniques like market basket analysis, correlation etc.

PS-I station: Americana Foods - Retail Modelling, UAE

Student

Name: YASH SUNIL AGARWAL (2019A1PS0838H)

Student write-up

Short summary of work done: The project was about calculating the performance of the company using EBITDA. The project also helped us gain information regarding frameworks like MECE, 80-20.

PS-I experience: It was good learning experience. The intership helped me understand how efficiently the different concepts can be applied to real- life problems.

Learning outcome: The different frameworks such as Mece, 80-20 helped me gain insight about how the different real-life problems are approached. I was also able to understand how the performance of a company is calculated.

Name: ADITYA JAIN (2019A3PS1102G)

Student write-up

Short summary of work done: We were asked to study the major impacts of COVID-19 on the FMCG and the restaurant industry which are the ones Americana deals with. After working on this report, we were provided with a detailed data by them of their expenses, revenues, maintenance and we were made to calculate and interpret the metrics like EBITDA and find touchpoints where they should or should not work on. In the later part

of the internship, they made us explore the business strategy frameworks including SWOT analysis, MECE rule, the 80-20 rule, 3 C's, PESTEL analysis.

PS-I experience: The experience was good, of course being online there were communication difficulties initially. But we overcame that with time and otherwise Americana is a really good station. They provided us with freedom to explore and put up our views at all times!

Learning outcome: The biggest learning from PS1 for me was exposure to the corporate world. I had always imagined how they function and particularly in an online WFH culture. Apart from that it provided me a medium to improve on my communication skills, presentation skills, working as a team, managing timeline. Talking about technical skills, I learnt about various frameworks one can use to solve problems, I learnt a lot of things of finance and how corporate giants look at their numbers and how they interpret them. It was a great learning experience for me!

PS-I station: Americana Foods - Actionable KPI Design & Communication, UAE

Student

Name: SATVIK SANDEEP DHUMALE (2019A1PS1061G)

Student write-up

Short summary of work done: My project was actionable KPI Design & Communication. Me and my team of 3 were tasked with researching new key performance indicators that are relevant to the quick service restaurant industry which will then be added to the Restaurant App. Americana Foods developed for the restaurant managers who can then monitor all their business processes of finance, customer, delivery and marketing on a single platform.

PS-I experience: The task Americana gave was challenging, there was a lot to put in and the mentors helped me a lot. I had fun researching with my team and learnt a lot from Americana's mentors.

Learning outcome: I learnt a lot about business intelligence, the strategies restaurant's use to make more sale in the quick service restaurant industry and the processes that need to be monitored to generate more profit and maintain a good customer base. I also learnt the MECE approach to solve business problems which helped me plan the research and group the KPIs me and my team found.

Name: RAMADHURAI HARSHAVARDHAN .K (2019B3AA1257H)

Student write-up

Short summary of work done: Had to design / find out optimal KPIs for the company which is in the fast food industry. The KPIs are like the indicators equity analysts see to judge if a stock / option price is going to go up or down, like Debt to equity ratio, liquidity ratios, etc.

PS-I experience: Spent most of the time researching and learning about the industry, to understand what parameters are relevant. Last 2-3 weeks were the ones where we actually focused on KPI shortlisting.

Learning outcome: Learnt how to research on a topic quicker and optimally, learnt how to build KPIs for any industry.

PS-I station: Andhra Pradesh Human Resource Development institute (APHRDI)-Mechanical/Chemical/Civil, Bapatla (Near Amaravti)

Student

Name: TARUN (2019A2PS0585P)

Student write-up

Short summary of work done: Headline of my topic was Innovations in Covid management. It included role of various agencies like India railways, Indian Military and varioius private institutions in there respective fields. It then talked about various Innovations that took place in immediate wake of the pandemic. There was a critical assesment of bed required in covid 19 as to why there was such a huge need of beds. Then role of agencies in setting up large number of beds.

PS-I experience: It was fairly good experience where we learnt skill of working in live atmosphere. We needed to understand what our mentors exactly wanted from us. It being in online mode restricted many of our activities like interaction with colleagues, group discussions and other fun during learning.

Learning Outcome: 1.Things move fast in real life 2. Keep ears and eyes open.

Name: JAVVADI KURMA KOUSHIK (2019B2TS1251H)

Student write-up

Short summary of work done: To provide us with the information about the project work and research work undertaken in last 4 decades.
Talking about the institutional linkages, economical and scientific impact of the projects and research work.
Kind of opportunities provided to the students of IISc Bangalore in building their career and also their achievements in last 4 decades.
Increase in standards of education and contribution of IISc Bangalore in providing well educated youth to the country and all over the world.

PS-I experience: It was great learning experience. I thank PSD for providing such great opportunity to work in such great organization under those immense personalities.

Learning outcome: A comprehensive and exhaustive report on the given topic. Better presentation and interaction skill, also the method to approach someone unknown for guidance and help. Experience of working in a professional environment under such immense personalities.

Name: JUSTIN CHRIS G. (2019B3TS1252H)

Student write-up

Short summary of work done: I was given a project (roles and responsibilities of central and state government in managing the pandemic) which was really interesting to look at. So, I collected lot of information from various websites and contacted, interviewed many people for my project and it was really helpful for gathering the information. So finally, I compared the unsuccessful and successful states.

PS-I experience: It was really good experience, would have been better if it was offline could be experiencing more. Coming to the work part, the project given to me was really interesting so has done it with good interest. PS faculty was good overall it was great.

Learning outcome: A comprehensive and exhaustive report on the given topic. Better presentation and interaction skills, also the method to approach someone unknown for guidance / help experience of working in a professional environment under guidance of such immense personalities.

Name: A. V. PRANEETH REDDY (2019B4A40751H)

Student write-up

Short summary of work done: The individual project alloted to me was 'The Roles and responsibilities of political parties in containing and eradicating COVID-19'.

PS-I experience: Our mentors were really helpful in guiding us through the research. And my topic being broad, I had enough resources for powering my research.

Learning outcome: Report formulation, research skills.

PS-I station: Andhra Pradesh Human Resource Development institute (APHRDI)-Mechanical/Chemical/Civil, Sri Kalahasthi

Student

Name: BANDARU NIKHIL (2019A4PS0589H)

Student write-up

Short summary of work done: I was to write a report on reduction of pollution from cement factories and role of APPCB in last three decades.

PS-I experience: It was really good and the mentors were really helpful in guiding us throughout the work.

Learning outcome: I got to know about insight of an industry for a certain level which is very helpful.

Name: VIDHI BHARDWAJ (2019D2TS1282P)

Student write-up

Short summary of work done: My work was to develope a detailed report on the topic "vaccine evolution". Covid 19 has changed our life since it came. Wearing mask and maintaining social distancing is the new normal. I prepared the report which included different kinds of vaccine available, how are they prepared and structure of vaccines. How vaccination drives were administered in different countries. During making of the report, I read published papers, news paper article, blogs and looked for official data to include in the report.

PS-I experience: Overall the experience was good. PS station officials were in touch with the students during the time.

Learning outcome: Gained knowledge about vaccine and their development. Improved communication and presentation skills.

Name: POOJA POONIA (2019D2TS1286P)

Student write-up

Short summary of work done: It is best for us to stay at home and avoid this disease. Wear a mask when you go out of the house and keep distance from others. Sharp your hands again and again with rub sanitizer. Follow WHO rules and guidelines. The whole world is suffering. It is important for us to contribute for the betterment of the world following the covid friendly protocol. COVID vaccines developed in record time hard work and dedication. To avoid this, it is important for us to get vaccinated as soon as possible. Fatal consequences of covid 19. There are many vaccines available to choose from each of them acts as shield. Each country started a vaccination campaign in their country to get their people vaccinated as soon as possible as much as possible. Some countries did excellent work while some countries faced problems. There is continuous research to improve the vaccine and for different age groups majority of maybe. Vaccines will be available for children by the end of 2021. We have the power to eliminate the virus and we should try our best to contribute in the fight against Corona. We should support each other in this disease, vaccine should be introduced as soon as possible. Stay home and stay safe.

PS-I experience: I would like to thank BITS Practice School Division for this golden opportunity to pursue my Practice School-I program at Andhra Pradesh Human Resource Development Institute, Srikalahasti.

Learning outcome: 1) WHO role in covid-19 pendemic 2) Better presentation and interaction skills 3) Gaining knowledge about Covid-19 4) Reading more article and newspaper.

Name: REENA SINGH (2019D2TS1288P)

Student write-up

Short summary of work done: The topic given to me was Intellectual Property Rights relating to 'Intellectual Property Rights relating to Vaccine Manufacturing and Distribution especially during pandemic'. I have visited 25-30 websites and around 15-20 newspaper articles on Intellectual property rights. I have researched about the Intellectual Property regime in India in the context of Novel CoronaVirus. I read about the role of Intellectual property in the current vaccine shortage. I interacted with the D. Chakrapani Sir (IAS Retd., Founder Director General) about how to approach the project and how to address this issue from an ethical point of view as well. After researching about the topic, I have started writing down the information which I gathered in the form of the report.

PS-I experience: My experience at APHRDI Kalahasti was great. I got continuous motivation from the organization and from the faculty mentor as well. I experienced professional working conditions. I applied my knowledge and skills during my research work. It was first time I had exposure to work in an organization under the guidance of such renowned personalities. I really enjoyed it as the training program was really effective. The fellow mates were friendly and supportive. During these 2 months, I learnt a lot.

Learning outcome: I got an insight into how research work is done and how report is written. I understood the working dynamics of vaccine production in such global pandemics. I got an insight into the World Trade Organisation's TRIPS agreement. I enhanced my presentation and interaction skills. I got an useful experience of working in an organization.

PS-I station: Andhra Pradesh Human Resource Development institute (APHRDI)-Mechanical/Chemical/Civil, Visakhapatnam

Student

Name: SHAUNAK DAS (2019A1PS0864P)

Student write-up

Short summary of work done: Described recent developments i.e. last two decades in containing the pollution on account of inland fisheries in the districts of East Godavari & West Godavar.

PS-I experience: PS-1 was a good experience for me.

Learning outcome: PS-I honed my communication skills and provided me the experience of working for a big institution.

Name: AAYUSH ANAND (2019A4PS1104G)

Student write-up

Short summary of work done: I was given a project on reporting the improvements and developments in the field of bridge construction, and then was supposed to make a list of 5 most important suspension bridges and tunnels in the world. I was then supposed to critically analyze the economics, engineering and socio-political aspects of these projects.

PS-I experience:

Learning outcome: Learnt about the functioning of a govt institution and also research and development work needed to build a project report.

Name: ANURAG BAJPAI (2019B3AA0530G)

Student write-up

Short summary of work done: I had the opportunity to research on the topic of "Role of media in tackling the pandemic with reference to social, electronic and print media". I had to study the sequence of events during the pandemic, the reach and penetration of media in India, major awareness campaigns organized by the central and state government, and various organizations, the major rumors and misinformation plaguing the internet regarding the pandemic and finally the steps taken by major media platforms to fight the misinformation and the new social media laws. The work involved qualitative analysis of documents and statistics released by various government departments and ministries, rumors circulating on social media platforms and the motivations behind them as well as the communication methods used by awareness campaigns to reach the public. The scope of the project allotted was larger than most as it involved the study of pandemic, media, information and misinformation about COVID-19, but it allowed me to explore topics and areas of study that I never would have encountered otherwise.

PS-I experience: I was fortunate enough to work under the guidance of the Founder Director General and Project Executive Assistant of APHRDI. The mentors and instructors were always ready to help us out with any issues encountered or suggestions required. Apart from the regular project review meetings and interactions, the instructors and mentors made themselves available on WhatsApp as well as on mail for any doubts we might have faced. Coming to the work assigned, I had expected a more technical project that required the application of skills I had learnt during classes. The project might not have aligned with my expectations, but I appreciate the chance to work in a professional environment under such knowledgeable and experienced people. In addition to working with the organization allotted to me, I also got to study the work done by a multitude of organizations at every level of society.

Learning outcome: I got to practice and take away multiple essential skills from working on the project allotted to me, first of them being communication and presentation in a professional environment. The second most important takeaway from this project would be the experience of working in a professional organization and time & resource management to meet the deadlines. The project also enlightened me on the identification of credible sources of information for research.

Name: KRIPAL SINGH (2019D2TS1276P)

Student write-up

Short summary of work done: The project assigned to me was International best practices in biomedical waste with reference to Covid. I gathered and gone through 15-20 research articles about my topic which helped me to complete my project report.

PS-I experience: My PS1 experience was good. I learnt about the structure of the government and the impact of Covid on the waste management sector.

Learning outcome: I gained better researching skills, improved soft skills, report writing, MS Word and data analysis.

PS-I station: Beunlu - Graphic Designing, Gurgaon

Student

Name: ACCHYUT JOLLY (2019B5A40497G)

Student write-up

Short summary of work done: We were supposed to create informational posts / carousels for the social media handle of Unlu. We also were asked to make banners and posters describing the programs (courses at Unlu class and message facility at unlu.io) to be designed using graphic designing tools.

PS-I experience: PS-1 was a fun experience with many invaluable learning outcomes.

Learning outcome: I learnt the nuances of creating content with the aim of making it easily consumable for the general viewer.

PS-I station: Beunlu - Sales and Marketing, Gurgaon

Student

Name: KUMAR SATYAM (2019A1PS0875G)

Student write-up

Short summary of work done: Worked on business development and brand endorsement where we had to crack deals with brands with proper market analysis and business study. It needed unique strategies for marketing and collaboration with top brands.

PS-I experience: Beunlu started off as service platform which helped people with endorsement and user engagements. They added branches like Celeb- Video cards and Unluclasses.

Learning Outcome: 1) Working with the team 2) Business analysis 3) Market research.

Name: BHAVIKA GOPALANI (2019B2A10971P)

Student write-up

Short summary of work done: The project aimed to acquaint the student with the broad field of sales and marketing in a start-up environment. Through the course of the project, I observed and audited the work handled by my mentor and learnt to do the same in the celebrity management and influencer marketing industry.

PS-I experience: It was good exposure to sales and marketing.

Learning outcome: I gained deeper insight into the field of brand relations, talent management, pitching / negotiating deals and marketing.

PS-I station: Beunlu- Video Editing, Gurgaon

Student

Name: KSHITIJ NANDWANA (2019B2A11046P)

Student write-up

Short summary of work done: Created post for Beunlu social media handle.

PS-I experience: It was quite hectic at the start but became normal at the end.

Learning outcome: I learnt about the work culture and some new tools.

Name: UTTANK JHA (2019B5A20857P)

Student write-up

Short summary of work done: My work done in PS-1 involved many different projects, spread over 6 different tasks. All of them were quite distinct but the one common theme was promoting social media footfall using different methods of graphic designing and content creation. Our work spanned many topics such as promotion for trending shows, education-oriented content, introductory posts for the field of graphic designing and more.

PS-I experience: My PS-1 experience was very fruitful. The routine-based working environment helped me settle down into a comfortable schedule while remaining at home. The mentors at my station were extremely helpful, polite and flexible. There were many lessons learnt and in retrospect, I have grown a lot over the past few weeks as a professional worker as well as an academic student.

Learning outcome: I learnt how any industry works from the inside. The reporting structure, the workflow and the hierarchy at my PS station helped me understand the comings and goings of corporate work life, even after it has been deeply impacted by the pandemic. I have learnt the importance of punctuality and discipline in life, something that was lost due to complacency induced from living in completely online environment for almost one and a half years. Some kind of routine was very necessary to keep myself productive and alert throughout the summer term and I am deeply grateful towards the PSD and Beunlu media company for giving me this wonderful opportunity.

PS-I station: Bintix Waste Research Pvt. Ltd., - Data Analytics, Hyderabad

Student

Name: POTHURI GAMYA RAJU (2019B3A30525H)

Student write-up

Short summary of work done: The data analytics project involved data entry, curation and analysis. We used excel tools to work on data.

PS-I experience: It was great opportunity to interact with industry experts and learnt their perspectives in this brief time frame.

Learning outcome: We learnt the process of data handling and picked up presentation skills as part of the internship.

Name: A. SRIVATHSA (2019B3A30574G)

Student write-up

Short summary of work done: The work at the organization mainly involved collection and curation of data of various products in the FMCG sector and to conduct an extensive market analysis of different niches in this sector. Also, we had to conduct and present an analysis on the top selling brands and products in various cities using the data collected by the organization.

PS-I experience: The PS 1 experience was great as this allowed me to understand how the work in the organizations takes place and how various members in a team collaborate to achieve the goals.

Learning outcome: Developed soft skills, research and presentation skills. I was able to learn as how the companies in FMCG sector make their products popular using packaging and product attributes.

PS-I station: CrossBar-Content Creation, Gurgaon

Student

Name: MAHANTU HEMANTH (2019A4PS0551H)

Student write-up

Short summary of work done: Created videos, presentation, informative comics for the company.

PS-I experience: PS work was mostly practical with very less theoretical part.

Learning Outcome: Learnt to create compelling content for the organisation and also learnt to be punctual.

Name: ANAND PRATAP SINGH (2019B5A40903G)

Student write-up

Short summary of work done: Building brand visibility and customer outreach by conducting research, creating compelling content and increasing social media penetration.

PS-I experience: It was good learning experience, all tasks that were assigned were unique and new which allowed me to learn a lot of skills and build a better understanding of how an organisation works.

Learning outcome: Learnt a lot of the finance sector, also the work done by the company was completely new aspect of finance that I knew very little about prior to PS-I. Learnt to use lot of tools that will be useful in the future and my understanding of professional work has changed quite a lot after spending 8 weeks at my PS station.

PS-I station: CrossBar - Data Analytics, Gurgaon

Student

Name: SAKSHI DATTATRAY (2019A2PS0706P)

Student write-up

Short summary of work done: We were expected to do industry research and perform competitive and partnership analyses on companies assigned to us. We utilized many frameworks for the same, the details of which will be given below. Based on the research done in Week 1, we were expected to develop a business strategy. We developed a working prototype for a software simulation tool that the industry has yet to investigate giving a competitive edge. We created a Python script to propose "the most suitable applicants" and forecast candidates' future success based on patterns in their skill sets, experience levels, and other factors.

PS-I experience: Overall satisfactory. It was good learning experience and I was happy with the fact that we were allotted projects based on our interest and the mentors were also very helpful.

Learning outcome: I learnt a lot about corporate work environment, professional communication, presentation skills and also improved coding and research skills.

Name: BUDI ADITYA BHAT (2019B2A41057G)

Student write-up

Short summary of work done: Competitive analysis, business plan creation and AML prototype presentation using FIGMA was done during the 1st phase. In the 2nd phase, learnt analytics model bridging, employers and students skill requirements was made in Python, complete with weighted mean gap analysis model.

PS-I experience: Learnt about business analytics, which was new window for learning. Teammates were excellent and industry mentor helped us in our queries.

Learning outcome: Business Analytics, Prototyping, Python.

PS-I station: CrossBar – Digital Marketing, Gurgaon

Student

Name: ANKUSH MAHANTY (2019B1A81095G)

Student write-up

Short summary of work done: Writing daily posts on the company's social media handles, creating social media summary doc, making a short video on financial crime compliance overview for youtube, creating a comic strip on the topic of suspicious activity reports and FinCEN files.

PS-I experience: It was educational and I gained a lot of experience.

Learning Outcome: Learnt basics of social media marketing, making videos and creating comic strips.

PS-I station: CrossBar - Marketing, Gurgaon

Student

Name: NIRBHAY MUNJAL (2019A7PS0031P)

Student write-up

Short summary of work done: As part of the sales and marketing team, our primary goal was to analyse the market, find potential customers for our training services, form campaigns and plans to draw those customers to crossbar. I made databases of companies, candidates, colleges, created digital posters and posts for promotion of crossbar, formalized a campaign with colleges around the country and also contacted the principals and placement officers of these colleges to get them on board with our campaign. Apart from this, we also made sales collaterals and profiles of the companies working in the similar domain as ours.

PS-I experience: I was critical about working in the finance domain at start, but everything worked out later and it was good learning experience.

Learning outcome: Learnt the working of a startup, soft skills associated with being part of company's ecosystem, thinking behind gathering customers for product and market share. Apart from this, gathering data, making sales collaterals, company profiles etc, were some technical skills learnt.

Name: NITYA GANDHI (2019B1A41003P)

Student write-up

Short summary of work done: I did mass mailing exercises. I made cold calls to clients. I made 2 PPTs (sales collateral and company profile). I made few excel spreadsheets for collecting contacts and making database. I also launched awareness spreading campaigns.

PS-I experience: It was good experience and I learnt a lot.

Learning outcome: I learnt teamwork, patience, co-ordination, etc.

Name: PRATHAM JAIN (2019B4A40898H)

Student write-up

Short summary of work done: Got projects in marketing domain. Made sales collateral and company profile. Got hands on experience in calling and pitching the services we provide to clients.

PS-I experience: I had fulfilling experience learning about sales and marketing.

Learning outcome: I have improved my interpersonal and professional skill. Learnt great deal about communication skill and company work culture.

PS-I station: CSPL - Finance, Ahmedabad

Student

Name: AKSHAT AGRAWAL (2019A2PS1450H)

Student write-up

Short summary of work done: We were assigned 4 tasks in total.
1. Analyzed the ratios and comparing the company with the competitors and observed the trends by plotting the trend graphs for the financial ratios in the past 5 years (2015-2020) for CSPL and it's competitors.
2. Adjusted the rates for deposits with foreclosures and calculated both the total interest earned and accrued interest earned. Extracted the TDS amounts from each deposits from each ledger and designed a dynamic compound interest formula and tallied the amount with interest certificates.
3. Analyzed the mutual fund investments made in 12 different companies and verified if there were any discrepancies. Verified the NAVs and weekly current values for the financial year (2020-2021) from multiple sites and constructed a dynamic chart that captured the nature / trend of the investments made.
4. Analyzed the company-customer contracts and worked on excel to monitor contract compliance tracking. Summarized contract details by covering all the key points in the contract by examining 33 masked customer contracts in total. (13 in product section and 20 in the BSS section)

PS-I experience: Overall, the PS-1 was very well structured and smooth. We would've had a better experience and interaction in an offline internship. Nonetheless, there were no problems faced by us in the aspect of communication and doubts were addressed.

Learning outcome: Learnt many new things like the importance of ERP for a company. Got confident in excel, got fluent in giving a presentation, regular interaction with the PS mentor helped us in understanding the company better. Improved teamwork and coordination to finish the allotted task.

Name: SAHIL VARMAN (2019B1A31017H)

Student write-up

Short summary of work done: TASK-1: Financial Ratio Analysis
● Analyzed the ratios and compared the company with the competitors.
● Observed the trends and plotted the trend graphs for the financial ratios in the past 5 years (2015-2020) for CSPL and its competitors.
● Analyzed the company's standalone and consolidated balance sheet, P&L statement and cash flow statements.
TASK-2: Mutual Funds Analysis
● Analyzed the mutual fund investments made in 12 different companies and verified if there were any discrepancies.
● Verified the NAVs and weekly current values for the financial year (2020-2021) from multiple sites.
● Constructed a dynamic chart that captured the nature / trend of the investments made.
● Calculated the absolute and XIRR for weekly and total values.
TASK-3: Fixed Deposit Analysis
● Adjusted the rates for deposits with foreclosures and calculated both the total interest earned and accrued interest earned.
● Extracted the TDS amounts from each deposit from each ledger.
● Designed a dynamic compound interest formula and tallied the amount with interest certificates.
TASK-4: Company-Customer Contract Analysis
● Analyzed the company-customer contracts.
● Worked on excel to monitor contract compliance tracking.
● Summarized contract details by covering all the key points in the contract.
● Examined 33 masked customer contracts in total. (13 in product section and 20 in the BSS section)
TASK-5: Enterprise Resource Planning
● Prepared report on understanding of ERP.
● Importance of ERP for a growing company.
● Attended 6 demos with ERP vendor (Sales, HR, BSS, Product, Admin, Finance)

PS-I experience: It has been a surreal experience! I feel that this PS-1 has helped me apply the theoretical knowledge we had acquired in class rooms practically in a hands-on industry manner. I feel that this experience has been enthralling and has taught me that the actual work that the company requires can often diverge from what we learnt in classroom. It has taught me to look beyond the pages of a book to find the solutions to problems and has drastically changed my perspective on the finance industry. It truly has been an eye-opener and this newfound industry experience has certainly opened the doors to future endeavours in the field finance. Working together as a team with my fellow interns and functioning as single cohesive unit had been quite challenging at the start, but by the end of the internship, my leadership skills and the ability to play as a team had been sharpened. Thus, we seamlessly tore through all the obstacles and walls in our way! My mentors were also very helpful and always helped satisfy my endless thirst for learning with their endless ocean of knowledge.

Learning outcome: ● I learnt how to use excel to the fullest and the ability to integrate multiple dynamic charts into the document seamlessly.
● Learnt the functions of an ERP and how they can serve as a valuable asset to the company.
● I honed my existing financial knowledge and became more comfortable in reading P&L statements and balance sheets of a company.
● I now have the expertise in MF portfolio analysis and the ability to successfully calculate their NAVs and weekly current values under my belt.
● I understood how accrued interest can often accumulate when the financial year has different date from the maturity date of the Fixed Deposit.
● Exposure to company - customer contracts.
● I also became aware of the various practices in a company to ensure that the data is confidential and prevent privacy information from leaking. I also became informed of the various spam practices and how data can be phished.

Name: TAMBAT SARVESH MANOJ (2019B5AA0902G)

Student write-up

Short summary of work done: During PS-1, I was alloted work in the field of finance. The work included analysing financial ratios for the company, analysing the mututal funds, FDs, company-customers contracts and the revenues, etc.

PS-I experience: I had wonderful experience in PS-1 wherein, I learnt a lot about working of company and the staff. It was great experience and very insightful.

Learning outcome: The learning outcome from PS-1 was an introduction into the world of finance and the methods of working in a company. Overall a very insightful PS-1.

PS-I station: Data M Intelligence - Marketing Research, Hyderabad

Student

Name: PAWAR AKHILESH SUNIL (2019A1PS1525H)

Student write-up

Short summary of work done: In my PS, we were asked to revamp report descriptions (RD) of various sectors of market according to new data that changes every year. RD describes the report briefly hinting on overview, market drivers and restraints, covid-19 impact, market segmentation, geographical penetration and competitive landscape. RD will be published on the website and is the first point of contact between the client and market research company. Most of the RDs in the website are from 2017 and 2018. Our work is to verify if the information in the RD is still relevant, note any key developments in the field by conducting secondary research and update accordingly. Covid-19 impact on the field is new content in all the recent RDs which we need to write following the same procedures.

PS-I experience: My PS-1 experience was fun as I got an idea regarding various markets and how they worked. Covid-19 pandemic has somewhat affected each and every sector so I got brief idea about how it affected various markets which I had worked upon in the form of RD's. I also got feel about the corporate life and how things worked. Overall, the PS1 was very helpful but would have been more fun if it was offline mode.

Learning outcome: I learnt how to write good RD that is presentable and would motivate the client to purchase the report. Now I have an idea about how to perform research in the market and the knowledge would help me in my future if I go into management roles. I also learnt how to manage deadlines and got glimpse of the corporate world and I can say I'm better equipped now to work in company. This internship has been an important learning experience and I thank BITS and PSD for providing with this opportunity of working with an amazing team at DataM Intelligence.

Name: DESHPANDE SARTHAK SACHIN (2019A8PS0260G)

Student write-up

Short summary of work done: I have revamped market research RD in the Food, Beverages and Agriculture Industry. RDs describe the report by briefly hinting on overview, market drivers and restraints, the impact of COVID-19 pandemic on the industry, market segmentations, geographical penetration and competitive landscape. RD is the first point of contact between the client and market research company. This report will focus on explaining the various aspects of making an RD along with information about the company, personal experiences and learnings.

PS-I experience: The work I did in my PS station was quite labourous as I had to write multiple RD, but this gave me an idea about how multiple markets and companies work.

Learning outcome: I was able to learn what are the factors that affect a company positively and negatively. How company tries to expand its vision to tackle new problems.

Name: HERAMBH KRISHNAA . S (2019B4A40003G)

Student write-up

Short summary of work done: We worked in the lines of developing report descriptions (RDs) for various type of markets and these are used by the firm to convince interested people to purchase their reports.

PS-I experience: It was good experience for me as I learnt a lot from this PS work station. It also taught me how the corporate world functions at very early stage and also giving exposure to learn more while working.

Learning outcome: I learnt about how marketing research firm functions and how to make RD in a speedy manner containing all essential data of the report.

Name: SEKHARAMANTHRI ABHINAV (2019B4A41038H)

Student write-up

Short summary of work done: Market Research Report Description.

PS-I experience: We had to write RDs for different markets in the F&B industry. It was good experience overall. Was a bit hectic initially but once we got used to work, it was smooth sailing.

Learning outcome: Industrial exposure. It'll be extremely helpful if one gets into consulting or market research firm in the future.

Name: NALIN NARENDRASINGH RAJPUT (2019B4A80006G)

Student write-up

Short summary of work done: I was assigned the work of writing Report Descriptions (RDs) for various existing markets. The objective of the RD was to act as a brief summary of what the actual market report developed by the company actually contained. I completed 32 RDs by the end of PS duration, all of which were published on the company's website. To name a few RDs, I wrote about solar energy market, confectionary market, automated guided vehicles market, and much more. Each RD takes about 4-5 hours to complete.

PS-I experience: I got a station out of my domain. I eventually became productive in writing the RDs and enjoyed the work.

Learning outcome: Gained market knowledge, understood the logic behind specific search techniques, developed a few new skills using Microsoft Word and Excel, improved writing and sentence framing skills.

Name: MADHAV SINHA (2019B4AA0749G)

Student write-up

Short summary of work done: I worked on market research report description (RD) in various domains. RD is a report which briefly explains the market overview, drivers and restrainers, COVID-19 impact analysis, market segmentation, geographical penetration, competitive landscape along with the table of contents, list of tables and figures of a particular market. The RD will be published on the website of the company and is the first point of contact between the client and the market research company. If the client is impressed with RD, he/she proceeds further by asking for specifics and eventually purchases the report.

PS-I experience: The overall experience was good. It was my first experience of working in a company. Although, it was not what I expected, but still it has helped me to get knowledge about new field. The mentors were helpful.

Learning Outcome: I learnt about new field, market research and also got an experience of working in a professional environment.

Name: ARJUN SINGH TYAGI (2019B5A10841P)

Student write-up

Short summary of work done: DataM Intelligence is a company that creates detailed market reports containing around 200 pages, 50-60 figures and 70-80 data tables, it helps the companies in taking strategic actions and decisions. We had to make brief market research reports of various industries like IT, petrochemicals, pharmaceuticals, healthcare services, chemicals and then the reports are published on the company's official site so that they can attract the clients to buy their detailed market reports. The reports that we publish are expected to be good so that they can contribute to attracting clients for buying their detailed market research reports. Therefore we have to update the existing RD by searching for new information and incorporating the market trends due to covid-19 pandemic. We also have to do segmentation analysis based on type, application, end-user region and various other parameters. The company published these reports on their website to attract clients for buying their detailed reports. I also learnt various concepts related to the market and it can also help the investors and traders who want to know about the growth in the particular industry.

PS-I experience: Overall, it was a good experience with the company. My mentor and PS faculty were quite understanding in these difficult times and they guided me a lot in completing my daily targets and also helped me in understanding the concepts of market research, report description.

Learning outcome: The projects have helped me in understanding the research process of market research and how to analyze the market trends and also researching about the drivers and restraints of the market, segmentation analysis of the market based on various parameters like region, type, application, end-user and also helped me in the skills of Microsoft word, Excel and various other tools. Since, we have to submit at least one-two RD per day, it helped me in commitment skills and also gives me exposure to the working of a company. This internship also highlighted me about the hard work and daily routine of an employee in the corporates and industry as well as helped me in organizing skills and time management. It also helped me in being punctual like we have to attend meets, webinars and also have to complete the work assigned to us in very organized way. It also helped me understand how to communicate with the mentors and coordinators in the company formally. Moreover, it is good experience and also increases my knowledge in the field of finance, management and also about companies and their business models and how to study market trends as an investor or trader.

PS-I station: Department of Posts - Financial Inclusion, Hyderabad

Student

Name: AYUSH TIWARI (2019AAPS0242H)

Student write-up

Short summary of work done: We first researched on financial inclusion status in our country and compared with that of the north bloc and south bloc countries. We then looked at the current strategies and place and made a model for increasing financial inclusion in a specific area.

PS-I experience: It was good. We developed soft skills and how to remain work oriented always.

Learning outcome: Became more time punctual.

PS-I station: Department of Technical Education, Training & Skill Development, Kolkata

Student

Name: ISHAAN KHARE (2019A2PS0859P)

Student write-up

Short summary of work done: Gap study analysis of qualifications of vocational trainers and teachers deployed across the state of West Bengal.

PS-I experience: The experience was very eventful, I learnt a lot of new skills. Worked with very good and communicative team. Our station faculty as well as the spoc at station were very helpful. It was good exposure, where we had communication & presentation with very senior IAS officers.

Learning outcome: I learnt a lot of hardcore as well as softcore skills like MS Excel, communication, team work.

Name: KHATKE APURVA BANKATRAO (2019A7PS0018P)

Student write-up

Short summary of work done: The objective of the project 1 is studying workflow of various systems and their existing e-portal service of employee management system, routine management system, leave management system, inventory management system, transfer management system. One by one studying all the systems in detail. Based on study of system & by understanding its workflow, we will create process flow charts with additional input for simple & smooth working of the system. By understanding

different systems & studying their gap, providing necessary input with additional functionalities to increase effectiveness in the system.

The objective of the project 2 is The department of technical education, training & skill development; Government of West Bengal has launched the "Utkarsh Bangla", a flagship scheme on 16th February 2016 under the aegis of PBSSD (Paschim Banga Society for Skill Development) aims to provide short term training and placements across the state of West Bengal. Our project at hand aims to conceptualize a portal for training partners, training centers and trainees to interact altogether. That means, using the developed portal the trainees could easily access any information they want and be able to interact with the training center on all required things like registration, schedules, certificates, etc. In a way the objective of this project is to study the necessary requirements and features needed. Design and develop a concept for web portal to satisfy the given requirements and needs implement the concept design as much as possible.

PS-I experience: Overall experience was good. At the starting of PS1, I was not having many knowldge of technologies. Throught the PS, our mentor has guided us very well and at any difficulties our mentor helped us. He taught us technologies wherever we were lacking. Today, I am happy that I learnt many technologies like node JS, express JS, data base sql queries, mongo DB, java front end validation and gained some new knowldge of HTML. We learnt web development yes it was good experience got to learn new things.

Learning outcome: Outcomes from project 1: From this project by understanding different workflow, we have created flowchart by our own with additional changes. We revised our knowledge of DBMS ex: ERD AND SQL queries also learnt new things like DDL, DML. Through software engineering session, we learnt many new things ex-life cycle models, design models, etc. We learnt HTML, JavaScript validations, PHP and using this knowledge we created employee data capture form. We learnt Web server configuration on Windows 10 OS: IIS and Apache TOMCAT. We have analysed different e-portals and provided necessary gaps for all the systems.

Outcomes from project 2: Through this project, we learnt a lot about web development. We learnt some really good things about planning, designing and conceptualizing web portal before we start coding on that. We learnt using MongoDB, a popular database, ExpressJS and NodeJS also popularly used in backend systems which expanded our knowledge on web development. Finally, we were able to design some part of the planned portal.

Name: MUPPIRISETTY R. BHARADWAJ (2019A7PS0025P)

Student write-up

Short summary of work done: We have been given 2 different projects. For the first one, we need to perform gap analysis on 4 different management systems developed by NIC to be used by the polytechnics present in the state of West Bengal. For the second one, we need to develop a web portal for students to login and check things such as attendance, class schedule, courses, downloading certificates etc.

PS-I experience: The experience was good as a first internship.

Learning outcome: I have learnt web development during my PS-1.

Name: EDARA BALA MUKESH (2019A7PS0081P)

Student write-up

Short summary of work done: We made a website static part, dynamic part and some functionality. Website is made by using Codeigniter framework (PHP language), Bootstrap, HTML, CSS.

PS-I experience: Good, but work was heavy to be done in given time, since we had to learn also.

Learning outcome: We learnt about codeigniter framework, sessions, making a database for website, front-end development with bootstrap.

Name: SRIVASTAVA SARANSH SANTOSH (2019A7PS0095P)

Student write-up

Short summary of work done: Our project work involved developing a software-based solution for the problem of quality monitoring framework for Government ITIs running under Public-Private Partnership (PPP) mode. We decided to develop a web portal for entering and maintaining the information for quality monitoring, since the web is the most easily accessible and ubiquitous platform, used on all devices. We learnt about the process of software development as we designed the system with guidance from our mentors and were able to develop a working web portal within 8 weeks.

PS-I experience: Interns had to regularly communicate with mentors, among other things, project updates, and it was quite easy to do so over the internet.

Learning outcome: Lots of new things were learnt during the internship. We gained experience working together on a project, and of course the value of experience in team projects cannot be overstated. We also got a chance to see what it's like in the industry. We picked up skills in coding, specifically web development in HTML, CSS, JavaScript, and PHP-MySQL. The experience in writing code for real world use software was also invaluable and along the way we learnt the incredible significance of proofreading and code editors in writing large amount of software codes.

Name: HARSHA VARDHAN REDDY. K (2019A7PS0099P)

Student write-up

Short summary of work done: We have gone through the curriculums of different sectors under VE (vocational education) at VTCs and CSS-VSE. We explored 3rd party softwares through which we can conduct our labs. We classified the sectors in a tabular form on the basis of feasibility of virtualization. We later did a detailed study of three particular courses Electronics, Automotives and IT-ITeS.

PS-I experience: The experience was unique and we are grateful to this opportunity to put our skills to use in the real world.

Learning outcome: We have investigated and considered the field of animations / graphics, which we can somehow use to make the learning experience smoother and fun for the students.

Name: SUBH PRIYADARSHI (2019A7PS0100H)

Student write-up

Short summary of work done: Built a website for monitoring ITI's which required planning, coding and designing the website. Learnt new stuff for making website. Hosted the website for viewing purpose.

PS-I experience: It was a nice experience. I learnt new coding skills and polished my earlier ones. I got to know how things work in an organization.

Learning outcome: I learnt lot of new stuff and increased my ability to only built a website but make it useful in every way.

PS-I station: Department of Technical Education, Training & Skill Development, Kolkata

Student

Name: DEVAANSH SHRIVASTAVA (2019A7PS0114P)

Student write-up

Short summary of work done: My work involved two Projects:
First one being "Benefit assessment of online portals / services in polytechnic systems" which involved Department of Technical Education and Vocational Training, a division of the Directorate. We had to understand their system modules, workflow and thereafter analyze their portal for gaps or scope of improvement. After performing gap analysis, we had to conceptualize how to overcome them and learnt different skills to do so. Development of webpages and connecting them to databases was the final part as one

of our other tasks. Our gap analysis was then to be transferred to the NIC, who will make those changes in their websites.

Second one being "Assessment of current websites and workout solutions" which involved Paschim Bangal Society for Skill Development (PBSSD), another division of the Directorate. We had to understand their system modules, workflow and analyze their existing portal for gaps / scope of improvement. After listing gaps, we had to conceptualize a gap free portal and learnt new skills to build them a prototype, involving majorly frontend development and a little backend development. The prototype will then be further tested by NIC and will be made into a fully functioning website.

PS-I experience: It was great experience, getting to work with professionals under their care on a routinely basis. Have to learn many new skills along with gradual improvement in communication skills and using them to work with deadlines was something one could not experience in a non- industrial scenario. My case with PS 1 was bit different because of my team being assigned to two different projects, which led us to learn a bit more and to even practice what we learnt in the 1st project on 2nd project.

Learning outcome: After a period of 55 days, I have learnt and practiced many new skills including HTML, CSS, PHP, JavaScript, Node JS, Express JS and MongoDB along with industrial exposure, professional work as well as work ethics.

Name: ANANTH VISHNUBHOTLA (2019A7PS1009G)

Student write-up

Short summary of work done: In this project we had to analyze and assimilate the various possibilities for future career prospects / further education opportunities for students with different educational qualifications. Following the research and data analysis, a comprehensive document was made consisting of all possible opportunities available for students. In this project, we also had to make an easily accessible website for students to access – so that they can understand the various choices available for them at different stages of education.

PS-I experience: It was good experience to learn about how the government functions in assisting students to make informed choices regarding education. We understood the work flow in government organizations and how they coordinate with technical experts to provide the best possible counselling model which can help students.

Learning outcome: I learnt many valuable lessons during this project. I learnt how professional organizations function in coordination with the government. The PS experience made me learn the importance of communication skills and teamwork while working on projects which have deadlines. It also gave me an opportunity to improve my skills in web development.

Name: YASH AGARWAL (2019A8PS0395P)

Student write-up

Short summary of work done: Did deep research on all the possible options available for students of different education milestones and financial backgrounds. Including all the jobs and further education options available. Compiled all of that into a what - next document. Created a website taking the document as a reference.

PS-I experience: The PS-1 experience was quite enjoyable. I got to work with students and mentors from various backgrounds and cultures. I also learnt a lot of new stuffs including new coding language. I thoroughly enjoyed the PS and learnt a lot.

Learning outcome: Learnt coding languages HTML and CSS. Also learnt about the working of a govt institute and the flow chain of work to be done. Also learnt how the skill development centres work. Learnt how to present using a ppt to a govt official and officers.

Name: CHAVIDI SAI KIRAN (2019B1A21015P)

Student write-up

Short summary of work done: The aim of this project is to find the gaps in the qualification of the trainers who are working at different vocational training centers and propose ways to minimize the bottle necks and execute them to get a satisfactory gap analysis. So we prepared a google form and collected trainers qualification and compared

them with the minimum qualification criteria database, which is provided the Department of Technical Education, Training & Skill Development. After analysis and finding out the gaps, we locked into the capacity building programme and decided that TOT (training of trainers) will be the best option to be implemented.

PS-I experience: My PS station, Department of Technical Education, Training & Skill Development, Kolkata, has been very interactive. They had meetings regularly and even daily for some weeks to check the status of project and guide us forward with required suggestions. It has been a good experience with good understanding and explanation and assistance from nodal officers.

Learning outcome: This PS has been a wonderful opportunity in terms of learning. First of all our project has been interactive with mentors and with presentations made by us. This improved my communication and soft skills. Coming to technical skills, we used MS word and Excel a lot for this project, in which I don't have any prior experience. I learnt these skills with the help of the nodal officers from Department of Technical Education, Training & Skill Development, Kolkata.

PS-I station: Futures First Info Services Pvt. Ltd., - Content Development, Gurgaon

Student

Name: SREEVAS P. SHENOY (2019A1PS1531H)

Student write-up

Short summary of work done: We were asked to make content and tools for futures first academy. The first few weeks we made slides on OLS regression, mean variance portfolio optimisation. We also developed Python code for the same, for the tool development, we made an ARIMA model where users can select the data and the graph would be printed on basis of past year data.

PS-I experience: It was overall a pretty good experience.

Learning outcome: Python, Javascript, CSS.

Name: HIMANSHU GUPTA (2019A4PS0885H)

Student write-up

Short summary of work done: We were divided into teams of 4 and then we were allotted two content projects i.e. Mean - Variance portfolio optimization and OLS regression, 2 tools project i.e. Descriptive statistics and Statistical tests of significance. We completed content project in first 4 weeks and then the tools part in the last 4 weeks.

PS-I experience: Overall, the PS-1 was very well structured and smooth. We would've had a better experience and interaction in an offline internship. Nonetheless, there were no any problems faced by us in the aspect of communication and doubts were addressed.

Learning outcome: With our company, I learnt many new things. Like earlier, I was not very confident about my Python but after this I felt really good for my Python. I leant excel automation with Python, excel completely, how to give presentation using PPT's and how to coordinate with a team to finish work allotted to us and later then present it to the industry mentor.

Name: RIYA (2019A5PS1059P)

Student write-up

Short summary of work done: Work done during PS -1 included - content development on basics of Python for better understanding of the programming language and develop presentation for the same accordingly. Besides this, 2nd project was - tools development where tools like - time value of money calculator and various other tools for personal finance were developed.

PS-I experience: Overall experience of PS - 1 was smooth.

Learning outcome: Better understanding of programming language Python.

Name: SHAMITHA OBULU (2019B1A41554H)

Student write-up

Short summary of work done: Our PS comprised of two projects - Content development and Tool development. The content development was based on making PPTs providing information on how to use Python to calculate multiple financial values. Our topics were 'Estimation of risk and return' and 'Portfolio construction'. In tool development, our team was assigned two financial tools to make using HTML and Javascript - 'Descriptive statistics' and 'Statistical tests of significance'.

PS-I experience: My PS-1 was rich learning experience. Being interested in Finance while studying in a technical institute, it helped me learn how to use coding languages in the field of finance. My industry mentor made sure to meet with us twice a week to check our progress and guide us in the right path. It was a very valuable 2 months, where we got to learn both hard and soft skills.

Learning outcome: We learnt hard skills like professional presentation making, Python, Javascript and CSS. We also learnt soft skills like presenting in a professional meet, dividing work and communicating with team members and taking initiative sometimes.

Name: AKSHAT KUMAR (2019B2A31069G)

Student write-up

Short summary of work done: Our team of four members were allotted two projects -

1) Content development: Estimation of risk and return, portfolio construction.

2) Tools development: Descriptive statistics and Statistical tests of significance.

In content development, we had to figure out how to use Python and its libraries for various real time financial computations and make PowerPoint presentations of the codes and some basics of the topics.

In tools development, we had to use HTML, CSS, JavaScript to create tools that can compute various statistical calculations.

PS-I experience: The overall experience was good. Our mentor was very helpful. We had meetings twice a week in which we informed about our progress and further suggestions.

Learning outcome: The PS helped in gaining knowledge about various concepts of investments, JavaScript, Python and its libraries.

Name: PRANAM S. HEGDE (2019B3A80358P)

Student write-up

Short summary of work done: There were 11 students at my station and we were split into three teams. Each team had to submit three deliverables - two Power Point presentations and one tool development project. The presentations were designed to help clients work with Python. The topics for the presentations were - OLS Regression & Mean-Variance portfolio optimization. The tool development part involved making ARMA, ARMA models and then building a web tool so that any user can modify the model as per his requirements and get the final output.

PS-I experience: It was good. Our mentor was regular in conducting meets and meets were held twice a week. We were not very familiar with some of the web development frameworks that we needed to use and may be we would have received more help had this been an offline PS.

Learning outcome: I learnt how to build models on Python and also got exposure to the web development framework Django.

Name: KOGILERU VEDANTH (2019B5A30801H)

Student write-up

Short summary of work done: I was part of team that worked on 4 projects. 2 in content development and 2 in creating online tools for statistical purposes. The content development projects needed us to teach how to do "Estimation of risk and return" and "Portfolio Construction" using Python. It was intended for their educational section for becoming a bridge for people using excel. The tools development project included us to make 2 tools which were for "statistical tests of significance" and "descriptive statistics". Both of these were web based tools coded in Javascript.

PS-I experience: My PS-1 experience was full of learning new things and exploring finance. Our industry mentor was extremely knowledgeable and made time to explain the projects and all our queries. It was overwhelming in the start as I had no experience in programming priorly. Slowly but surely though I began getting a grip. I also learnt a lot about how working in a team, lot of things about finance which i wouldnt have been able to do on my own.

Learning outcome: Using Python for "Estimation of risk and return" and "Portfolio construction". Using Javascript to make 2 web based tools for "statistical tests of significance" and "descriptive statistics".

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

Student

Name: SABIHA NISHAT PERNALY (2019A5PS1089P)

Student write-up

Short summary of work done: We were required to build an analytics dashboard for their fundraising website which could show and filter data by metrics like program, cause, NGO, time period, donor tax paying status etc. The technologies to be used were React, Node.JS and PostgreSQL.

PS-I experience: The project was short but interesting. It required the application of Javascript concepts and helped to improve my web development skills. I also improved my presentation and communication skills. Overall, it was good experience but could have been better had the organization been more responsive and communicative.

Learning outcome: Learnt concepts of Javascript and related technologies - React, Node.JS along with Databases and UI/UX design.

Name: OJAS KAUL (2019AAPS0225G)

Student write-up

Short summary of work done: I worked for 2 projects in Give India. For the first project, I had to create a database and contact SMEs which might be interested in starting a fundraiser with GiveIndia. A fundraiser provides a platform for crowds to make donations for a cause. Rather than a single person making a donation, it relies on the numbers, and usually generates as much as 10 times more revenue. Every quarter, GiveIndia releases a few fundraising videos, which have a vast outreach, and receive large sums of money as donations (50-60 lakhs usually). For the second project, I had to go through 74 NGOs, and on the basis of their cause and fundraiser story, I had to decide some of the NGOs which have the potential of making a strong impact. These NGOs would have a fundraising video made.

PS-I experience: Though the project was listed as a web development station, our station gave us work oriented towards marketing. But I didn't mind that, since overall it was an insightful experience. I acquired several skills over the course, working with 2 separate teams for both my projects. However, the work given to me would make a big impact to the organisation. This makes the impact more meaningful and has better learnings as well. It was a small team and we would have daily meets to discuss our progress. My mentors and peers were all very helpful, and the experience was wholesome.

Learning outcome: The experience provided an enriching experience on how corporations work. I spoke to my mentors and extended my internship, and am currently working on a big project with GiveIndia. The internship improved several skills such as communication, work ethics, teamwork, and other interpersonal skills. It also gave me the opportunity to contribute to society in this tough times.

Name: SIDDHANT JAIN (2019B3A80607H)

Student write-up

Short summary of work done: We created a analytics dashboard with PERN (Postgresql express react nodejs). We made an API with the help of node and express, connected it to postgresql server with module called node-postgres and connect to frontend with the help of axios. To create graph we used Chartjs.
For state management, we used Redux and integrate it to react with the help of react-redux. We used react hooks such as useState, useEffect.

PS-I experience: I had a good experience.

Learning outcome: I learnt how to create full stack website with PERN stack.

PS-I station: GMR Varalakshmi - General Management, Hyderabad

Student

Name: SUPRADA PRASAD BHAT (2019A1PS0885G)

Student write-up

Short summary of work done: The project entailed developing and standardizing the course content for two of the vocational training courses offered by GMR Varalakshmi Foundation, which are Drywall, False Ceiling, Food & Beverage (F&B) Steward.

PS-I experience: We had to make daily slides and curate course content for the students in the vocational training program. The work essentially involved looking up information on google and presenting them in slides.

Learning outcome: Since a lot of the work involved making presentations, we became pretty proficient in Google slides and learnt a little bit about the Drywall, F&B industries.

Name: YENAMANDRA SRAVANI (2019A5PS1167H)

Student write-up

Short summary of work done: Standardizing online course content for Drywall. False Ceiling, Food & Beverage Steward vocational training programmes.

PS-I experience: The PS-I experience has been very educational and enriching. The project was related to Corporate Social Responsibility so it was very fulfilling and the mentors and trainers were very experienced and helped us along the way. At the end, we were able to design training programs that would provide similar learning environment in an online mode as compared to an offline mode.

Learning outcome: The project helped in understanding the importance of vocational training programs and allowed us to explore into the fields of drywall, false ceiling, food and beverage industry. It helped us prepare content for a specific category of people and improved our professional communication and time management skills.

Name: SIDDHARTH DIXIT (2019A8PS0546H)

Student write-up

Short summary of work done: Day wise PowerPoint presentation were made for electrician course. Slides were designed in such a way that the content is self explanatory. Basic knowledge about electrical appliances was also provided through slides. Videos related with the matter of the slide were attached. Review questions were also created at the end of each week to check the understanding of the course.

PS-I experience: It was great experience working with the organization. It helped me learn a lot about how the management of the organization works.

Learning outcome: Skills learnt during PS 1 are teamwork, project planning and work division for efficient functioning and creating realistic schedules and work breakdown structures.

Name: SOHOM PODDAR (2019AAPS0319H)

Student write-up

Short summary of work done: My team had been assigned the project "Exploring different modes and methods of reaching out to government school children remotely." We had to research about the problems the students of the underprivileged communities were facing in receiving education during this period of distance education. Limited access to smart devices meant finding alternative, yet safe distance learning methods. We researched about the ways GMRVF and its contemporaries, both domestic and international, were providing education to the underprivileged. We created a survey based upon these methods, targeting the students and teachers, keeping cost effectiveness in mind. We also gained further insight into the wants of the students and teachers. Using this information, we were able to compile a report consisting of few different NGOs (with different business models, their individual methodologies of imparting distance education), who could potentially collaborate with the foundation, which suited the needs of the foundation's major stakeholders the best.

PS-I experience: This internship had been an eye-opener about the plight that our poor students face when it comes to receiving education. This is all the important because these are the formative years in the development of a child's learning process. In these pandemic times, their situation has become worse. They are unable to attend online classes, due to the lack of smart devices. Thus we had to research several cost effective methods which required cheap devices or alternative minimal contact means of teaching pedagogies for them.

Learning outcome: The internship has helped us hone our communication skills, collaboration with team members, research and verification skills, surveying skills, GD skills and presentation skills.

Name: REBONTO ROY (2019ABPS1063P)

Student write-up

Short summary of work done: My work revolved around making some online tools and applications for the Pratibha Library a part of GMR Varalakshmi Foundation.

PS-I experience: It was a great experience indeed.

Learning outcome: Learnt some great communication and presentation skills.

Name: GAUTAM GUPTA (2019B2A41118H)

Student write-up

Short summary of work done: We were allotted GMR Varalakshmi Foundation as our station which comes under General Management domain. Me and my project partner were allotted the project - Standardisation of online course content for

Excavator and Plumbing courses, where we had to prepare a structured course material for 30-40 days with some existing material which was provided to us. We prepared material which was easy to understand for course students and was organised in a way that it will also be helpful for instructors in sorting material.

PS-I experience: It was really very good experience.

Learning Outcome: Communication, management, powerpoint and presentation skills has been improved.

Name: GURSIMRAN SINGH (2019B3A20535H)

Student write-up

Short summary of work done: Ideas for small business enterprises in project villages for the benefit of communities during the present covid-19 pandemic situation.

PS-I experience: It was good experience.

Learning outcome: Excel, Market Research, Cost Benefit Analysis, Market knowledge. Conducting proper survey and learnt major excel functions, properly did the cost benefit analysis.

Name: RAJDEEP KAMAT (2019B3A40719H)

Student write-up

Short summary of work done: We were allotted GMR Varalakshmi Foundation as our station which comes under General Management domain. Me and my project partner were allotted the project - Standardisation of online course content for Excavator and Plumbing courses, where we had to prepare a structured course material for 30-40 days with some existing material which was provided to us. We prepared material which was easy to understand for course students and was organised in a way that it will also be helpful for instructors in sorting material.

PS-I experience: It was good, we learnt many good things, our organization mentor and the course specific instructors were helpful and we could reach out to them whenever we needed help.

Learning outcome: Communication and management skills, powerpoint and presentation skills, knowledge of CSR / social sector.

Name: K. SAI SRINIVAS (2019B4A20974H)

Student write-up

Short summary of work done: The project was to explore different digital modes and methods to reach out government school students remotely. This project was assigned for two. In the first two weeks, we completed our research on the project and in 3rd and 4th week, we had the privilege to interact with government school teachers and got to know about the problems faced by students and also took a survey among government school teachers and students about the methods we researched which would be helpful for the students. In week 6th and 7th, we analyzed the survey and the best methods have been selected and adjusted according to the Foundation's and the students' requirements and compiled a final report to GMRVF organization.

PS-I experience: It was a wonderful experience to get to know about how an organization functions and gained a lot of skills and knowledge.

Learning outcome: Developed situational awareness of educational system in our country. Improved my communication and comprehension skills, by speaking to the foundation members and external sources, and also by researching properly over the

span of 5 weeks. Got an exposure to surveying, which gave us the best insight into the stakeholders' needs.

PS-I station: Green Gentem – Non-Tech, Germany

Student

Name: MEGHANA VARANASI (2019A1PS1009H)

Student write-up

Short summary of work done: As a part of the non-tech team (6 students), we were working on e-waste market exploration in India. Each of us took up 6 states/territores in India and directly called stakeholders like recyclers, dismantlers etc. from the e-waste industry. We tried to understand the challenges faced by them which would then help Green Gentem formulate possible solutions to intervene in the supply chain and help improve the e-waste recycling scenario in India.

PS-I experience: Since I was working for a start-up, I was directly mentored by the founder and director of the company. They were extremely helpful and resourceful and I was glad to be a part of the initial stages before the start-up launches.

Learning outcome: Sustainability and circular economy had always been my interest and this PS station working towards that really helped me delve into the topic better and understand the problems our nation faces with respect to making it a reality. The calls with various people from the e-waste industry also made me lot more confident gradually to handle any kind of person on the other end of the call.

Name: KAUSTUBH DWIVEDI (2019A3PS0412G)

Student write-up

Short summary of work done: In the non-tech team, we were supposed to collect data on the e-waste situation in various states of the country. We were then supposed to call the relevant stakeholders and ask them relevant questions to identify the pain points in the supply chain. Then, all this data was to be submitted to the organization which would be used to address these issues.

PS-I experience: The work environment was the best you'd get I think. The industry mentors are amazing, helpful and very kind.

Learning outcome: Learnt about India's e-waste market, it's potential, the stakeholders involved, current challenges.

Name: GAURAV CHANDAK (2019A4PS0968H)

Student write-up

Short summary of work done: In a nutshell, we helped Green Gentem to explore the challenges and needs of the Indian e-waste market by extracting information from the internet and calling various stakeholders involved.

PS-I experience: The PS was a practical example of doing homework before your exam. The work environment was friendly and motivated me to work. I learnt new things, talked to various people and gained knowledge out of their experience. The PS was a blend of work and new experiences everyday.

Learning outcome: I learnt about India's e-waste market, it's potential, the stakeholders involved, current challenges and brain stormed ideas to deal with them. I learnt how to write a scientific report, how to give presentations, etc.

Name: AMEESHA SRIVASTAVA (2019A5PS1189H)

Student write-up

Short summary of work done: I did critical market exploration on the Waste Electrical and Electronic Equipment (WEEE) in India. I got to know about circular economy and its role in creating sustainable environment. There is a huge misunderstanding about what we think e-waste recycling is and what actually it is, and to clear the concept I managed to collect data from government portals and reports to understand the market trend of refurbished products, literacy about formal e-waste recycling and its scope in India.

PS-I experience: I got to know about circular economy, the mentor made us learn about things like how e-waste recycling works, its challenges, and roles. I had a lot of time for market analysis and my mentor was very helpful regarding doubts and questions any time. Also my mentor organized session about proper report writing which ultimately was fruitful as those tips helped me form a report that was less time consuming and more detailed.

Learning outcome: I learnt about WEEE, informal and formal sectors in the market, state wise e-waste analysis, their roles and what they lack and have simultaneously. New concepts for treating e-waste and its positive opportunities for budding entrepreneurs in India.

Name: AGRAY CHETTIAR (2019B1A80980G)

Student write-up

Short summary of work done: Our main objective was to collect data of the e-waste generated and the list of recyclers & collectors in the states allotted to me. The states are as follows Maharashtra, Gujrat, Goa, Kerala, Manipur and Daman (U.T). Getting the exact numbers for the e-waste generated in India was a monumental task because the state govt. portals are not updated. In addition to that the figures present on the authorized sites are mostly estimations and extrapolations so that caused some issues in maintaining the database. Apart from this, the e-waste management is not prioritized in some states / places especially some of the north eastern states like Manipur. Then coming to the list of recyclers and collectors, we got this information mainly from the authorized state govt. pollution board website and from there we segregated them based on the type: recycling, collecting, refurbishing & dismantling and then divided them according to cities or districts. This made our job easy as we had to contact them individually to get to know more about

the onsite difficulties or challenges, they are facing. This systematic approach for market exploration was really beneficial as ultimately, we're much more efficient and organized.

PS-I experience: Our PS mentor and instructors were super friendly, they made sure everything was going smoothly. Their constant support and supervision helped us throughout this journey. And also special thanks to my team members, we are solid team supporting each other at all times and overall we made this journey fun and knowledgeable. So, it was good learning experience.

Learning outcome: Personally, I learnt lot about working in a start-up environment. Learnt to deal with new people, and professionalism is one of the key takeaway for me in this PS. Apart from this, I learnt about writing scientific reports and journals and to an extent I improved my database management skills. So, overall it was great experience.

Name: PRAKHAR MATHUR (2019B5AB0787P)

Student write-up

Short summary of work done: I was part of the non-technical team of the Green Gentem. Our project required us to conduct market survey of the Waste Electrical & Electronic Equipment management industry, we were supposed to do this by making calls to the WEEE collectors & recyclers from each state in India. For this states and UTs were divided amongst the students and each intern had to research and analyze the situation of WEEE management in his/her own states/UTs by calling the authorized recyclers / collectors, Pollution Control Board of the state and MNCs like Reliance, LG, Flipkart etc who might be dealing with WEEE. With all this data collected along with list of authorized recyclers and their contact information, we had to present to the Green Gentem about the supply chain of WEEE in our allotted regions and the various stages it undergoes while being processed for extraction of valuable substances and how the extract is further incorporated back into the industry or sometimes the WEEE was directly recycled for resale or was disposed off with some treatment. Apart from the supply chain, we also had to give a glimpse of the ' state of art ' of the WEEE in India and how efficiently / inefficiently is it managed, what are the government policies and laws, about various licenses and certificates that are required by recyclers to function legally.

PS-I experience: My PS1 experience was pleasant and involved directly contacting the WEEE industry and the various people involved in it and other stakeholders. It was over

all an enriching experience and our industry mentors were also very supportive and had vast knowledge of the subject. Since, Green Gentem is a startup, working in a startup environment I experienced true collaboration.

Learning outcome: 1) The legal frame work of WEEE management in India - India happens to be the only south Asian country to have a structured mechanism and laws for WEEE management, this however has several loopholes resulting in competition between the formal (Authorized) sector and the informal sector, the government should work towards incentivizing the formal sector.
2) Learnt several features of MS Word & MS Excel I was earlier unaware of.
3) New emerging techniques in WEEE management around the world.
4) My communication skills have also improved from all the calling to MNSc/NGOs and recyclers that we did.
5) Collaboration & team work.
6) Functioning of a startup.
7) WEEE market and the wide scope it has with the exponentially growing figures of electronic waste generation every year.

PS-I station: Green Gentem - Tech, Germany

Student

Name: ARSHDEEP TANEJA (2019A4PS0469P)

Student write-up

Short summary of work done: As part of tech interns for Green Gentem, our work involved three verticals: App development, Website development and data analysis. I and Deva Sai Harsha were responsible to develop a working MVP of the official mobile app for the organization. This app would be used to display refurbished, recycled and upcycled products available across Green Gentem's suite. Also, the app can be used by users to sell their used products which can be processed and reintroduced into the economy.

PS-I experience: The PS was highly structured. We had weekly goals and agenda, followed by meetings to discuss the proceedings for the week, as well as to discuss goals for the upcoming week. The founders were highly enthusiastic and involved, and even

went out of their ways to help us learn new things. We learnt to write corporate reports and research papers, as well as got our hands on some great resources on latest topics such as Kubernetes and MVVM.

Learning outcome: The learning was diverse. We went from learning the basics of coporate and research based report writing. Then, we learnt to design UI/UX frames using Figma. Finally, we spent most of our time learning and brushing our concepts of Flutter, Firebase, Github collaborations, etc. The PS was surely a fruitful experience.

Name: KAPIL RAGHUNANDAN TRIPATHY (2019B1A30852P)

Student write-up

Short summary of work done: Covered the state-of-the-art in product pricing with examples of existing theories and models on product pricing with particular reference to the refurbished sector. Discussed the preliminary analysis on product pricing by considering how prices of a refurbished product vary according to their physical condition. The pricing model of a popular online platform that deals with e-waste management was taken under consideration. The problem was complex as a product that was offering a higher price despite being more damaged. Discussed possible classification systems through which products can be grouped into different pricing categories depending on their physical constitution. Finally, a case study for a popular product (an iPhone model) was considered and logically demonstrated how its different parts can be priced for optimal profit. The standard market price for each component as a parameter was taken into consideration in your model. Designing an automated system for price determination thus needs careful considerations.

PS-I experience: Very amicable environment. Helped us grow, learn and explore different methods to the same problem. All meets were done on time and took our points under serious consideration. Proper deadlines were set and work allotment was efficient and unbiased.

Learning outcome: Learnt a great deal about Web scrapping, Supply chain management, Python programming, Price modeling and Mathematical modelling.

PS-I station: Hyphen Supply Chain Solutions Pvt. Ltd., - Financial Analysis, Noida

Student

Name: ATTILLI ROHITH (2019A8PS0508H)

Student write-up

Short summary of work done: Warehouse management, supply chain management, MSME loans. Worked on startup India website.

PS-I experience: The work was fine but collection of these eviences was difficult.

Learning outcome: Group meeting importance and presentation skills.

Name: PATWARDHAN SIDDHARTH SHAILESH (2019AAPS0214G)

Student write-up

Short summary of work done: The project allotted to me was financial analysis. My PS station is a logistics startup, so we had to study the annual reports of its' competitors, and perform a sectoral analysis of the logistics sector in India. The second half of my PS-I dealt with learning about various forms of financing available to startups, for example, venture debt, revenue-based financing and invoice discounting. Lastly, I had to make a report on working capital management strategies.

PS-I experience: PS-I has been a great learning experience for me. I had no prior experience in the finance domain and PS-I provided me with an opportunity to explore that.

Learning outcome: I learnt to do a fundamental analysis of companies. I also got a fair idea of different types of financing options available for startups and the challenges faced in procuring them.

PS-I station: Hyphen Supply Chain Solutions Pvt. Ltd., - Social Media, Noida

Student

Name: RITESH CHOUDHARY (2019A5PS1070P)

Student write-up

Short summary of work done: I worked on a sectoral report of the Indian logistics industry, citing key insights relevant to Hyphen SCS in scaling their current operations and analyze loan services available for a warehouse and startup company. I worked on working capital management for the expansion plan of Hyphen SCS. I made the social media calendar, teaser and introduced video for our company. Also, designed the posts for our social media handles.

PS-I experience: PS-1 was great learning experience for me. It was an excellent opportunity to work with people in the industry and learning from them. I learnt something new and valuable every day. The PS-1 Instructor was very cooperative and helpful. I got invaluable advice from my PS-1 Instructor, which will be helpful throughout my career. The company CEO was very friendly and supportive.

Learning Outcome: The learnings from the project are as follows:
i) I got new insights on various aspects of finance, startups, and the supply chain industry in general.
ii) I learnt how to read financial statements and how to analyse them using various methods.
iii) The most important learning was to understand the office / work culture. This includes how the organization functions, meetings, deadlines and time management skills.
iv) I learnt about how to conduct competitive analysis.
v) I learnt how to work together in a team and complete the projects and assignments by dividing the work between us and managing the resources effectively.

PS-I station: I Care Foundation, Mexico - Fundraising, Mexico

Student

Name: DIBYANSU DIPTIMAN (2019B1A41472H)

Student write-up

Short summary of work done: Creating a plan of activities for fundraising, connections with international organizations and implementing crowdfunding strategies.

PS-I experience: Over the course of internship, I spent many hours reading about Mexican communities and learning about their future goals and aspirations. The opportunity to aid them by developing fundraising methods and increasing donations to enable them better education and health care when so many began without much hope was extremely fulfilling.

Learning outcome: Teamwork, Fundraising strategies, Social work.

PS-I station: I Care Foundation, Mexico - Marketing, Mexico

Student

Name: GOURAV RANJAN BOXI (2019A1PS1536H)

Student write-up

Short summary of work done: Being a non-profit, it was a big deal for me & my team to come up with zero-budget ideas involving marketing and promotion for the foundation, as the project suggested. The prime objective of the project was developing marketing campaigns, conducting research, analyzing data to identify and define audiences, devising and presenting ideas and strategies, promotional activities, compiling and distributing financial and statistical information, creating digital content and infographics, internal marketing, and an organization's culture, managing campaigns on social media. We coordinated with the CEO, VP, HR and the marketing coordinators whenever required since it's more likely to develop a communication gap otherwise due to the time lag and difference in demography, work from home further contributing to that. ICF was started with the purpose that no one is left behind in the Mexican community. Hence, we were helping them to build a better quality of life for the current generation, where they have access to nutritious food every day, quality education that allows them to develop a competitive future and creating sustainable methods of life for the preservation of the environment.

PS-I experience: We divided our work into several categories, designed frameworks and stuck to that particular pattern till the end of the tenure.
1. We designed new merchandise for the organization along with few marketing cum fundraising campaigns that targetted urban schools, further segmented it into the affluent elite and non-elite audience.
2. Digital marketing: We analyzed the digital presence of I Care Foundation and suggested improvements to maximize the reach on various social media platforms, which include LinkedIn, Twitter, TikTok, Instagram, Facebook, Quora, Youtube, Website digital marketing report, performance in the Google search engine.
3. Recommendations: We recommended various zero-budget ideas which could not only contribute to brand promotion but also for fundraising huge funds by bidding on different MNCs across Mexico City.
4. Guerilla Marketing: We researched all the aspects of this, and came up with potential ideas to be materialized, namely, Amazon Smile & Google Ad Grant, which were ultimately incorporated by the organization and made a lot of impact on it.

Learning outcome: It was a big deal to coordinate with the diametrically opposite side of the world having a unique native culture and tongue. We experienced creative and emotional intelligence as well as psychological capital while at the non-profit. We used GT Matrix software for generating digital marketing reports. Moreover, had to research the fundamental rights of the Mexican citizens since some of our plans needed prior approval from the Mexican Government. We gained lot of insights into different type of marketing ideas. Overall experience was impactful as so many of our ideas were incorporated and showed promising results.

Name: SHRUTI (2019A5PS1106P)

Student write-up

Short summary of work done: Creation of marketing plan, content for social media, web and print media.
Main areas: Marketing, Publicity, Design, Communication, Economy, Sociology. Developing marketing campaigns, conducting research and analysing data to identify and define audiences, devising and presenting ideas and strategies, promotional activities, compiling and distributing financial and statistical information, creating digital content and infographics, internal marketing and an organization culture, managing campaigns on social media.

PS-I experience: I got invaluable guidance from my mentor throughout this report. The heads of NGO are quite cooperating and provide with each and every thing. It was great experience working with this organization.

Learning outcome: I got to know different hemispheres of marketing. I got to know how different organizations work and what are their present conditions. There were many things that we were supposed to look into to execute our marketing plan and they were of great benefit. We had to look into the market values inorder for our marketing campaigns. I learnt how to work in a group professionally and to present our work in a proper manner.

PS-I station: I Care Foundation, Mexico - Marketing for Products With Cause, Mexico

Student

Name: ANUSHKA RAJ BAGUN (2019A1PS1098G)

Student write-up

Short summary of work done: Aim of the project was to design I Care branded products that the client organizations can re-create, re-produce, market and sell. The further objective was to come up with a sales plan to sell the products effectively.

PS-I experience: The project work with I Care Foundation, Mexico, provided an excellent opportunity for learning and professional development. Both the industry mentor and the faculty were extremely helpful and encouraging throughout the process. Overall, it was a great learning experience.

Learning outcome: - Learnt to work with professionals in the field.
- Learnt to use Canva to make new creative designs.
- Acquired knowledge of numerous marketing methodologies and devised a sales plan based on it.
- Soft skills like time management, work ethics, and teamwork have improved.

Name: SARTHAK CHAKRABARTI (2019AAPS0247G)

Student write-up

Short summary of work done: We were working on the implementation of a marketing strategy for some products of the organization, we designed a catalogue of products which could be shown to various donors around the world. Conceptualized and tried to establish product market fit for an individual subscription platform for people wanted to directly contribute to our NGO and thereby indirectly uplifting the people of Mexico. We also worked on proposal to ensure microfinancing could be a domain where the organisation could venture into the future.

PS-I experience: It was very much useful and got invaluable guidance from my mentor throughout the duration of PS-1.

Learning outcome: Learnt the importance of teamwork and how much collective value it can result in if the team segregates work in a way in which everyone doesn't think of themselves inherently implementing their inputs in a non obstructive manner. Understood how to formulate a strategy keeping the industry structure and dynamics in mind while maximizing internal capabilities and processes to propose tremendous value with the end goal of the competitive position we seek to acquire.

PS-I station: I Care Foundation, Mexico - Sustainability Projects, Mexico

Student

Name: SIDDANSH K BOHRA (2019A3PS0246P)

Student write-up

Short summary of work done: I was part of the sustainability projects team under I Care Foundation. Our work was identifying and quantifying problems in specific communities of Mexico and coming up with sustainable solutions for them. We worked on solutions for water shortage, agriculture and unemployment issues.

PS-I experience: Great learning experience.

Learning Outcome: Research skills, presentation skills, sustainable solutions, problems faced in rural areas across the globe.

Name: AYUSHI KAMAL SHARMA (2019B3TS1265P)

Student write-up

Short summary of work done: We were given two Mexican communities for which we had to look for sustainability solutions for the problems there. We were a group of 5. At the end of PS, we gave around 3-4 solutions to the foundation for water scarcity, job opportunities and health care facilities.

PS-I experience: It was nice.

Learning outcome: Learnt to work as a team, also time management. Learnt about Mexican communities and the way a non-profit organization worked.

PS-I station: I Care Foundation Non-Tech, Mexico - Social and Environmental Analysis, Mexico

Student

Name: AKSHAT AGARWAL (2019A1PS1388H)

Student write-up

Short summary of work done: Completed individual background research on Mexico in 5 broad areas: Social, Environmental, Political, Economic and Healthcare. Identification of major problems faced by communities based on information gathered from survey and research.

PS-I experience: My PS instructor was very cooperative and helped me focus on homework every day. The overall experience of PS1 was very nice and provides a lot of industry exposure and opportunities to learn new things over the barriers of working from home. Finally, the ongoing evaluations such as group discussions, seminars and project reports were also very interesting and new experience.

Learning outcome: Learnt to appreciate work and its function in the economy. Develop work habits and attitudes necessary for job success. Develop communication, interpersonal and other critical skills. Build a record of work experience.

Name: AAKASH PANCHADI (2019A4PS0943H)

Student write-up

Short summary of work done: We found out solutions for social and environmental of Mexico and presented them.

PS-I experience: It was nice if we have more time for the solution part we would have given a better solutions.

Learning Outcome: We got skills in researching, analysing, group work.

PS-I station: I Care Foundation - Project Tracker, Mexico

Student

Name: SHUJA JAMEEL SIDDIQUI (2019B2A10948G)

Student write-up

Short summary of work done: I Care foundation works for upliftment of an underprivileged in Mexico City. Our team build an educational website to teach the community about:
1) Health and Nutrition: Importance of healthy diet, healthy weight, various health measures, key recommendations etc.
2) Financial Literacy: Importance of savings, investments, entrepreneurship, etc.

PS-I experience: My PS-1 experience has been very great. The people from organization were very friendly and always ready to help us. My team of BITSian students was also great. They were very helpful and at the same time quite enthusiastic regarding the project.

Learning outcome: I learnt about various cross cultural differences and similarities during this course along with various other soft and technical skills.

PS-I station: IMARC Services - Market Reasearch, Noida

Student

Name: VORA JINAY BIREN (2019A3PS0288P)

Student write-up

Short summary of work done: Our work entailed us to write blog posts. These blog posts are summarisation of full-sized market research report. These blogs are used as marketing and publicity tool to sell reports. To write blog you will need to do some very basic research on the key companies in that market. Also, you will be provided with report description to use in writing the blog.

PS-I experience: Really very good experience.

Learning Outcome: It was nice experience in the corporate world and got exposure that how the company functions. Writing blogs gave an aptitude for technical writing.

Name: RAHUL PALIT (2019A3PS1116P)

Student write-up

Short summary of work done: The job description while filling the preference form was market research. Mostly during the duration of practice school we were made to write blogs on various markets. It was secondary research done on the companies prevalent in the markets which we found in the preview of the reports that was already uploaded in the company's website. At the start of the blog, we had to write about the market in question, mainly about its CAGR and valuation, along with what were expected drivers of the market. After this, the blog included anywhere between 3-8 companies which were market leaders on who we had to write a brief description.

PS-I experience: On joining the company, we were divided into 3 groups with different mentors supervising each group. We were given blogs to write daily, starting with once a

day to 2 daily. We were shared a format to follow while writing blogs. There wasn't much communication but whenever asking about any doubt, the industry mentors were helpful and replied very quickly. A few meets were conducted here and there within our group to show us mistakes in our blogs. Overall the experience was pleasant.

Learning outcome: It gave an experience in the corporate world, how the company functions. Writing blogs gave an aptitude for technical writing. It was new experience, one which was good and helpful in the future.

Name: GARIMAN GUPTA (2019AAPS0254H)

Student write-up

Short summary of work done: The work included market research, blog writing and project related to pricing analysis. I wrote over 40 blogs related to wide variety of different markets following a standard template. The project included researching historical information related to products, primary and secondary ways to find information, analyzing the trends established from the research work and drawing conclusions to find optimal solutions for companies competing in the market. The project included working on excel files and microsoft presentations.

PS-I experience: I was expecting more project work, but the work was mostly related to business writing than analysis. It was something new for me and practical application for the theoretical concepts learnt during the previous semesters. Also, the mentors were available in case I faced any difficulties during work. Overall, it was helpful and learning experience.

Learning outcome: I improved my presentation and excel skills. I learnt a lot about business writing. I experienced the importance of team work, punctuality and professional behaviour. I learnt lot about different companies and products through blog writing as it involved lot of research. The program also helped me improve confidence as the project involved international calls to get information about the markets.

Name: MEHROTRA PRAKARSH PIYUSH (2019B2A40738P)

Student write-up

Short summary of work done: The work allotted by the station was on blog writing. The work involved collecting information from various primary and secondary resources, filtering out the necessary information and compiling it into blog to increase the outreach of the company. The blogs were based on various global and local industries.

PS-I experience: The mentor from the company organized meets to explain about the blogs. The work was assigned on daily basis through MS Teams.

Learning outcome: The experience was great as I learnt about many companies and industries. PS-1 also helped me to improve my writing and social skills.

Name: SAHIL CHOUDHARY (2019B2A40998P)

Student write-up

Short summary of work done: In this PS, I was given the task of writing market report blogs for the company, so as to publish them on its official website. For the first week, I was assigned one market blog per day and after the first week, I was assigned two blogs to write each day.

PS-I experience: I got first-hand experience of the corporate culture. Had to handle calls and presentations along with the business writing.

Learning outcome: This PS improved my business writing skills. I learnt lot of finance and business related nomenclature. I also got to learn about various markets that exist and the financial structure of various stakeholders involved in those markets. I learnt that respecting deadlines is a necessary trait. I also learnt how to market a company for clients through selective data.

Name: KROVI ABHINAV (2019B4A40914H)

Student write-up

Short summary of work done: Our work was content writing. We wrote blogs on various global markets and articles on recent global business news. These blogs and articles were uploaded on the company's website. Initially, we were given 1 topic per day and were given 2 topics per day from the 2nd and 3rd week.

PS-I experience: We learnt about different global markets and recent developments in global companies while collecting the content from various websites to write the blogs and articles.

Learning outcome: The domain specific sessions conducted by PSD were very useful and informative. From the PS work, I learnt about different global markets & their market leaders, and about the recent developments in various global companies. The learnings was good.

PS-I station: India Buys - IT, Hyderabad

Student

Name: ADITYA GIRISH KURKURE (2019A4PS0716G)

Student write-up

Short summary of work done: Create Api's for india buys ezeshop app, and admin console. India buys uses firebase as a backend technology. The apis created will be used in production by India buys. Apart from this, trello and git were also some of the technologies I learnt.

PS-I experience: Working in India buys was great. The mentors and other faculty were very kind and ensured smooth flow. We also had daily scrum calls to ensure that everything is on track. Whenever we had difficulties, the company mentors as well as PS mentor were always there to assist us. I enjoyed working this summer.

Learning outcome: I learnt a lot. On the tech side I learnt firebase, cloud firestore, cloud functions, firebase security rules, protocol buffers, rpc, restapis, api testing, version control systems, project management in trello, etc. On the non-tech side, I learnt about the workings of company and the day to day work of someone who works inside the tech industry. I also learnt effective communication.

Name: SUJAY NIGAM (2019B3AA1267H)

Student write-up

Short summary of work done: Worked on making an App in React-Native for the company's new side project.

PS-I experience: The industry mentor was good. She helped a lot while debugging code and didn't put much pressure on the students to finish their tasks.

Learning outcome: React-Native App development, Firebase, Github.

Name: DHRUV SHARMA (2019B5AA0773G)

Student write-up

Short summary of work done: I was assigned the website development domain and was asked to learn Reactjs as their existing codebase has been programmed in it. The work revolved around understanding their admin console and the new features that were

required to be added. I was supposed to add 4 features on their admin console which would assist the team in onboarding new stores. Overall, it required a decent understanding of reactjs but lot of the things were interdependent. It was necessary to coordinate with my team-mates time to time as all the features were connected and required the dataflow to move from the app, website and the database. Testing the features properly was challenge initially but it was super necessary to resolve any bugs that were there.

PS-I experience: My PS-1 experience was very good. Our PS mentor was very supportive and gave us ample time to learn the required tech stack and level up our skills accordingly. We used to have regular meetings which helped to discuss and understand how to go about implementing the features. It was great learning experience. Most importantly, the interaction with the company gave me good exposure and general idea on how things are executed in the corporate world.

Learning outcome: Web development was the biggest takeway for me. I had fair knowledge of App development but working on this project introduced me to Reactjs and the potential it holds. Overall, it gave me good exposure and some insights on how to work in a team and communicate effectively.

PS-I station: Indian Council for Research on International Economic Relations - Electric Mobility Work Program, New Delhi

Student

Name: ARYAN UDESHI (2019B3A70206G)

Student write-up

Short summary of work done: Made a report of the electric vehicle policies implemented in Karnataka and Tamil Nadu. Analyzed and compared the policies and stated the current scenarios with respect to electric mobility in the state. Also made presentations of the same to the industry mentors.

PS-I experience: Workload was slightly high but overall a good experience. Industry mentors were very helpful. Helped us learnt lot of the EV industry in India. Faculty mentor was also very helpful in guiding us.

Learning outcome: Learnt how to make a report, presentations, communication skills.

Name: VAYUN LOHANI (2019B3A70608G)

Student write-up

Short summary of work done: We were assigned to conduct research on two Indian states, and it was based on the analysis of Electric Vehicle (EV) policies of those two states. The analysis was regarding the various incentives and targets of the state governments towards EV adoption in India.

PS-I experience: It was decent experience. The industry mentors as well as the PS faculty were co-operative, and their continuous guidance helped in timely and successful completion of the PS 1 report.

Learning outcome: I learnt about various EV policies in Delhi and Andhra Pradesh and their extent of implementation. I also learnt about various incentives which are ensured by the centre and state governments, and the economic outcome of it.

PS-I station: Indian Council for Research on International Economic Relations - Price Forecasting of Agricultural Commodities, New Delhi

Student

Name: AKSHAJ GUPTA (2019B3A70314P)

Student write-up

Short summary of work done: Collected a variety of data from lot of websites such as acreage, production, weekly retail and wholesale prices at cetera. Then made balance sheets for each of the 12 commodities (Mango, Banana, Grapes, Eggs, Milk, Chicken, Arhar, Moong, Gram, Potato, Onion, Tomato). Then, we predicted the CPI of the future months (August, September, October 2021) using 3 forecasting models: ETS, ARIMA and ARIMA-GARCH in R language.
Skills required - Excel proffessional level profeciency, R/Python basic knowledge, Statistics basic knowledge, PoE course.

PS-I experience: About 8-10 hours of work daily, daily cadence meeting at 5pm, sometimes extra meet at 9am also.

Learning Outcome: Writing macros in Excel, Government agricultural data websites, Price forecasting models in R, Automating macros in Python.

Name: AKSHAY KRISHNA D. (2019B3A70551G)

Student write-up

Short summary of work done: The project was based on predicting future prices of agricultural commodities to help predict inflation. The work assigned to the interns was mainly:
1. Identification of key variables along the value chain of a commodity helped determine the factors that shape price movements in the domestic economy. For instance, in the case of pulses stocks (both public and private), imports play a significant role in determining prices and hence, are monitored continuously.
2. Undertaking CPI-related exercises simultaneously with balance sheets for each commodity provides insights into the causal relationships between different variables and retail inflation (year on year). Historical data collection on wholesale and retail prices was used to identify which prices could predict CPI better for each of the 13 commodities.

PS-I experience: It was good experience. The mentors were very understanding and always willing to help and guide. Though, most of the tasks assigned to us were data driven. Most of the time, we would do the task of retrieving data while the team did the analysis work and drew inferences from the data.

Learning outcome: Picked up essential skills to analyze and present data in Microsoft Excel. Got to improve soft skills like communication, work ethics and team work as well.

Name: SOMASEKHARA AKASH VEMALI (2019B3A70557G)

Student write-up

Short summary of work done: Our job was to do an analysis concerning the forecasting of prices of Agricultural commodities. To this end, our first task was data collection. This was undoubtedly the most time consuming part of our process. After collecting the data, we prepared a base balance sheet which would continue to be refined as official statistics were published. Then, using the data from this balance sheet, we conducted regression iterations in order to determine the variables suitable for the most accurate modelling on the basis of significance and beat fit. We not only considered variables such as production and trade data but also took into account seasonality by gathering rainfall data etc.

PS-I experience: The industry mentors were very nice and helpful. They always responded whenever we had the slightest doubt. As for our institute mentor, he was instrumental in helping us with the machine learning aspects of our project. It was great experience working with these people and I also learnt lot of new things.

Learning outcome: I was able to learn certain aspects of forecasting and machine learning that I didn't know before. Learnt how to work better in a team, working with different individuals was also good experience.

Name: ADARSH KUMAR RAI (2019B3A71071H)

Student write-up

Short summary of work done: I interned in the Price Forecasting Team. The team covered 12 agricultural commodities. Read up on an agricultural commodities weekly newsletter and created a literature summary of latest info on our coverage crops. Collected time series, rainfall data and created a state-wise and meteorological

subdivision wise, monthly database for the latest data available. Collected and calculated time series data for retail and wholesale prices of our coverage commodities from various government websites like Directorate of Economics & Statistics, Department of Consumer Affairs, etc. Used the time series price database we collected to predict CPI of coverage commodities using Linear Regression Analysis and ML models (using R). Ran error analysis iterations and used different analysis techniques to determine the best price series and adequate corresponding time period from 12 different subtypes of prices data for each of the 12 commodities - to run models upon for prediction purposes.

PS-I experience: The work for our team was quite heavy especially during the first month and was mostly data-centric. I'll put this down to the fact that we were working on a bimonthly live project for ICRIER and had to create new databases from scratch since the team was trying to implement new analysis techniques. Our industry mentors, those with whom we interacted on a day-to-day basis were helpful and cooperative. We had daily end day meetings where we had to report the progress on our respective tasks. We were encouraged to meet deadlines but they were supportive incase someone couldn't.

Learning outcome: Had to learn Excel in a proficient manner for collecting and cleaning of data. Learnt about and wrote code for ML models like SARIMA, ARIMAX. Used R for coding purposes. Learnt about the CPI data published by RBI on a monthly basis and how its calculated. Used a couple of new error analysis techniques. Also, got familiar with different government websites for sourcing different types of data. All in all we learnt how the process of price prediction and analysis progresses.

PS-I station: Indian Council for Research on International Economic Relations - Climate Change, New delhi

Student

Name: AYUSHA NAYAK (2019B3A30369P)

Student write-up

Short summary of work done: We assisted in the energy model building for the Urja Project. The objective was to provide technical, managerial and logistical support for the activities under the Energy Sustainability Working Group of G20 under India's Presidency

and the period when India is part of the G20 Troika. We collated and organized data for various parameters for different demand and supply sectors in excel sheets with the help of the IESS handbook provided to us. This was then followed by sources of data verification. We read through government reports, websites and research articles to find the actual values of the parameters to compare them with the predicted values by the IESS model.

PS-I experience: It was a good experience overall. We had lots of interaction with the industry mentors and our PS faculty mentor. They provided their valuable guidance and suggestions which was incorporated by us. All the meetings took place smoothly. We got a fair insight into the research field. Various components like quizzes, group discussions, PS 1 diaries, project report and seminars were conducted online. All these were good learning experiences.

Learning outcome: I learnt and develop skills like - research, data collection and compilation, advanced MS Excel, MS PowerPoint presentation, report-making, communication, interpersonal and teamwork. I also learned about energy model building, different kinds of energy models and their purpose on national and global level, particular parameters in energy demand and supply sector and the constraints that govern them, climate change and its effects and solutions.

Name: CHAKRADHAR REDDY NARAPAREDDY (2019B3A30520H)

Student write-up

Short summary of work done: My work was focused around energy modeling. I had to read different books on the basics of energy modeling as well as read and understand how the IESS tool and spreadsheet worked. I was also asked to compile data from this IESS excel sheet on 8 different supply side sectors and 3 demand side sectors. There were multiple parameters like capital costs, new capacity, generation, etc. Next, we were asked to find the 2017 real values of the parameters in each sector and compare them with the values that the model had generated.

PS-I experience: It was very nice experience

Learning outcome: I learnt about how energy models were built but as the data to be collected was very large, we were not able to do any model analysis. I have certainly improved my understanding of excel.

Name: NANDHINI R. SHENOY (2019B3A70565G)

Student write-up

Short summary of work done: Work related to the URJA model, an energy system that has supply and demand parameters predicted using the IESS tool.

PS-I experience: Very educational, helped get a feel of the working environment as well as development of skills.

Learning outcome: Learnt a lot about energy systems, their workings and technical excel skills, research and data finding skills.

PS-I station: Indian Institute of Public Administration - Secondary Research, New Delhi

Student

Name: YUVRAJ SINGH SEKHON (2019B3A30574P)

Student write-up

Short summary of work done: I was supposed to prepare a monograph on the assigned topic: 'Financial sector reforms in India':- Jan Dhan Yojna (financial inclusion), insurance, strengthening of debt market, improving governance of public sector banks, accounting standards, venture capital and new financial instruments.

PS-I experience: PS-1 gave ample of learning opportunities.

Learning outcome: Preparing a monograph is valued in expanded form, allowing scope and space for complex perspectives and arguments, with detailed exposition and analysis, to have a broader educational experience.
Key Points for project outcomes are:
☐ Conduct secondary research, after referring to reputed paper and reliable sources.
☐ Collection and analysis of data.
☐ Better acquaintance with contemporary financial sector problems through analysis of past reforms and their viability through time.

Name: GANGULA HARIKA REDDY (2019B3A30732H)

Student write-up

Short summary of work done: We worked individually in bringing up a monograph on a given topic population and job creation. We read so many research papers and analysed the data.

PS-I experience: I learnt a lot how to analyse a research paper and how to write a research paper.

Learning outcome: Firstly, my presentation skills have improved. Along with interacting with my team members made my communicating skills much better. With project given, which is related to the course I had studied, helped me to go through it deeply.

Name: LAVISH JAIN (2019B3A40492P)

Student write-up

Short summary of work done: Research work on public policy and governance. Prepared a 25 page monograph.

PS-I experience: Learnt about research work.

Learning Outcome: Acquired research skills, presentation skills etc

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Name: REHAN KUNAL JAGOTA (2019B3TS1257P)

Student write-up

Short summary of work done: I was assigned to write a monograph on the topic "Mission Karmayogi: Improving the Human Resource Management practices within the Government, augmenting the capacity of the civil servants, preparing civil servants for the future by making them more creative, constructive & innovative through transparency and technology." It involved doing extensive secondary research on public administration practices using data from government websites, World Bank and IMF and media sources. The draft was revised multiple times before final submission. The work also included 3 seminar presentations on the monograph summarizing the work done so far.

PS-I experience: The experience was insightful. The work allotted, on the other hand, gave me an opportunity to explore academic writing and topics of public administration well. I enjoyed writing the monograph and the process was sapient. The evaluation components were simple, interesting, and related to the general happenings and current affairs. In short, it was a middling ride with small bumps here and there.

Learning outcome: Some of the substantial learning outcomes are as follows:
1. I got to closely understand and appreciate the intricacies of academic writing by writing a detailed monograph.
2. I learnt to scrutinize and filter secondary data and use necessary tools like Stata to deal with the data.
3. I enhanced my interpersonal skills by working with my peers and mentors and developed an understanding of teamwork and deadlines.
4. I honed my presentation skills by extensively using MS Office and Canva to make suitable presentations.

5. I ascertained the industry experience and work-life by doubling as an intern at such a reputed institution.
6. The two months of PS made me a more aware person and a better scholar.

PS-I station: Indian Red Cross Society – Operations - General Management, Vijayawada

Student

Name: R. ADITYA VARDHAN (2019A1PS1104H)

Student write-up

Short summary of work done: We were a team of 4 and had designed an interactive website for the IRCS AP Branch website.

PS-I experience: Most of us weren't familiar with the basics of web development so we learnt as we moved along. Learning was one of the best experiences in PS-1, so learn as much as you can during your PS-1.

Learning outcome: We learnt the basics of web development, and how to work on a project as a team. All team members were very cooperative which helped us complete the project on time.

Name: RISHIKA CHOWDHURY (2019A5PS1082P)

Student write-up

Short summary of work done: IRCS Vijaywada, interacted with us a lot, and we had to prepare a presentation-cum-video which they would be presenting at a conference with

the Singapore Red Cross Society, for their kind donation of 200 oxygen concentrators and 20 ventilators, to support the country during the second-wave of the pandemic. We also worked on improving the website of the organisation so as to make it more appealing.

PS-I experience: I had great experience working with IRCS, as well as with the support of our faculty-in-charge, who has always been there to help us in any of the problems that we faced. Overall, the experience was really noteworthy.

Learning outcome: Learnt a lot about the organisation in general, and their various roles in and across the country, in particular. We also learnt verbal communication and learnt to use a lot of softwares to go about with our work.

Name: MANAVESH YADAV (2019A5PS1098P)

Student write-up

Short summary of work done: Video production & Editing for IRCS Vijayawada.

PS-I experience: My personal experience was decent. I learnt various skills such as video editing, teamwork, etc.

Learning outcome: Learnt video editing, team work, presentation skills.

Name: YASH KASLIWAL (2019B4A80106G)

Student write-up

Short summary of work done: Web development for the IRCS Vijaywada website.

PS-I experience: IRCS Andhra Pradesh website is outdated and has various issues which need to be resolved. It also requires more precise and modern design to represent the organization better. In this project, a gradual approach was taken to one by one resolve these issues and eventually deploy all wanted changes to the website.

Learning outcome: We learnt a lot about web development and also the functioning of an organization like red cross.

PS-I station: Indian Red Cross Society, Hyderabad

Student

Name: RAHUL PANDEY (2019A1PS0947G)

Student write-up

Short summary of work done: Database management system for volunteer management, UI/UX suggestions for the website.

PS-I experience: We got very good project for the final leg of the practice school to create a Dbms for IRCS.

Learning outcome: We learnt the important of volunteer in disaster management and the important of IRCS in it.

Name: CHALLA BHANU PRANAV (2019A1PS1413H)

Student write-up

Short summary of work done: We got to work on projects ranging from writing the speech for the world blood donors day to designing a volunteer management system. The group discussion and re-designing of the IRCS brochure were also among the work assigned to us during our allotted time.

PS-I experience: I would say it was a well rounded experience, where I learnt things that I wouldn't have learnt otherwise, e.g. content writing, documentation skills (due to the weekly diary) etc. It was interesting and was insightful too.

Learning outcome: Better documentation skills, better content writing skills and a tremendous improvemnt in my teamwork abilities.

Name: YADAV SOHAM BALASAHEB (2019A3PS0139G)

Student write-up

Short summary of work done: Created a database management system to manage the details of all the volunteers registered at various centres of IRCS in the state of Telangana.

PS-I experience: It was a good experience.

Learning outcome: Learnt lot of things such as working with team and coordinating tasks to get the work done.

Name: MRINMAYEE MAHAJAN (2019A3PS1128P)

Student write-up

Short summary of work done: Build a database management system for volunteer management using MongoDB, CSS, JavaScript and other technologies. Apart from this, we were made to re-design a leaflet and ramp it up for the state branch.

PS-I experience: It was a fruitful experience.

Learning outcome: Learnt various aspects of humanitarian organizations and their working in the pandemic. Apart from that learnt technical skills such as Photoshop, CSS, JavaScript etc.

Name: ASUTKAR RITESH VINAYAK (2019A7PS0133G)

Student write-up

Short summary of work done: Develop an online database for volunteer management.

PS-I experience: Good

Learning outcome: Develop an online database for volunteer management.

Name: DEVESH KUMAR (2019AAPS0270G)

Student write-up

Short summary of work done: 1) In our initial weeks with IRCS, we had an introduction about the organization, volunteerism and the driving force behind this
2) We had an extensive group discussion on the topic "Volunteering in the wake of a Disaster: Pros, Cons and How to do it Efficiently".
3) We re-designed the IRCS leaflet using UI skills.

4) The Problem statement was that we have to create an online volunteer management system.
We came up with the solution of creating a full stack website that uses MongoDB (a NoSql) database with NodeJS and Express in the backend and HTML, CSS, JS, and BOOTSTRAP in the frontend.
By creating an express server and connecting it to the database and have the client-side make CRUD operations through requests was the goal.

PS-I experience: Our PS1 experience was great and the station mentor and our respected faculty were really helpful. We learnt a lot and had pleasant experience.

Learning Outcome: 1) Familiarity with HTML, JS, CSS, BOOTSTRAP
2) Familiarity with databases such as MongoDB
3) Familiarity with backend development and middleware creation

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Name: BHUVAN SHARMA (2019B1A10975P)

Student write-up

Short summary of work done: Our first task was to review the IRCS website, application and identify the bugs in both. Then, we were asked to write a critical review on the bugs and suggest any improvement in the UI/UX. We also wrote a speech for 14th of June, celebrated as world donor day. On that day, Dr. Tamilisai Soundararajan, Honorable Governor and President, IRCS, Telangana State Branch, interacted with 33 District branches of the IRCS, which we attended through Facebook live event. We also re-designed a 3-fold leaflet for IRCS. This was a group project in which, I helped in writing the content and re-designing the theme of the leaflet / brochure. Then, we were asked to make a DBMS for employees of the IRCS.

PS-I experience: It is been an enlightening experience working with the IRCS. Volunteering should be done properly so that volunteers don't impose their agendas or follow their ways to perform the deed as it can create cultural disparity. Also being a part of the Facebook live event was a great pleasure as I learnt a lot about the importance of blood donation and the events held by IRCS to help the needy. Also, learnt a lot about content writing by designing a 3-fold leaflet / brochure, reviewing the website and App, also learnt about web development through DBMS.

Learning outcome: From this PS, I learnt the importance of volunteering and the need for such organizations which helps the needy. Volunteering should be done in proper manner so that the needy is benefitted the most. During the Facebook live event, I learnt a lot about the importance of blood donation and learnt about various camps organized by the state branch and number of people it helped. Learnt about designing and content writing as well, when we were asked to re-design the 3-fold leaflet for IRCS. Learnt about web development from the DBMS.

Name: VISHAL PUNDHIR (2019B1A11055P)

Student write-up

Short summary of work done: 1) Website/App review (Our work was to thoroughly analyze the IRCS website, application for any kind of bugs and potential for improvement)
2) Speech writing (written a speech on world donor day which was dated 14 June)
3) Facebook Live (attended this session and learnt about various camps organized by the state branch and the number of people it helped)
4) Leaflet design (our project was to re-design it with a good writeup content using good vocabulary)
5) Database Management System (developed an online database management system (DBMS) for volunteer management)

PS-I experience: Overall, it had been a great experience for me, and I am glad that I could be a part of IRCS, Hyderabad. I learnt a lot while working with the IRCS. From writing a critical review and finding bugs to speech writing and discussing in a group to designing a leaflet and creating an online DBMS. It helped me gain a lot of valuable skills that I can take home with the completion of my PS1 journey.

Learning outcome: I learnt how important it is to have a volunteer organization for help to be done in a proper way. It is required for effective use of resources by the needful. In the Facebook live event, I was glad as I learnt a lot about the importance of blood donation. Designing the three-fold leaflet helped us to learn a lot about graphic designing. It helped me gain experience in working together in a team. We learnt how to communicate effectively and how to divide work to finish the project on time. Developing the online DBMS helped me to gain knowledge about all aspects of an online portal, about what happens when a client visits and interact with a website.

Name: SHALINI SHANKAR PRASAD PUNTHAMBEKAR (2019B2A11010P)

Student write-up

Short summary of work done: The following were the tasks assigned to us over the course of PS-I:
1. Write a review of the official website and app of the Indian Red Cross Society, Hyderabad - with suggestions on how to improve the interface.
2. Write a speech on World Blood Donor Day (June 14th) addressing the volunteers and district signatories of the IRCS, Telangana branch.
3. Redesign and rewrite the content of the IRCS, Hyderabad leaflet - which states the various activities of the IRCS, as well as the different ways to contact them / donate blood.
4. Create a DBMS (Data Base Management System) for the volunteers of the IRCS, Hyderabad - containing their name / other information.
Apart from this, we were also a part of group discussion on the topic - ""Volunteering in the Wake of a Disaster: Pros, Cons and How to do it Efficiently", where we had a fruitful discussion on different aspects of volunteerism.

PS-I experience: My PS-I experience was quite good. We were given tasks and expected to provide results as soon as possible, but our official project was assigned to us merely 2 weeks before the end of the internship. We tried our best to live up to the expectations, and gained as much as possible from working on the same, but I felt if we were given some more time, the result would have been more up to the standards of the IRCS, and we could have learnt much more during the process. Nevertheless, the overall experience was quite fun, I got to interact with my peers from other campuses as well, and we had a great time working on our assignments.

Learning outcome: I learnt a lot about the history of the Red Cross, the working of IRCS, Hyderabad - what it does, and what it stands for in today's world. I was also able to work upon my content writing skills. We were also able to build on our knowledge about the DBMS and front-end development, etc., which would definitely be quite useful in the future. This experience has opened my eyes to various aspects of blood donation - its importance especially. During times like these, where the world is struggling to survive a deadly pandemic, we learnt to respect such organisations and its volunteers ten-fold.

PS-I station: Indian Red Cross Society Blood Bank - App/AR/VR, New Delhi

Student

Name: ARYABHATTA DEY (2019B5A80819H)

Student Write-up

Short Summary of work done: Create a full stack app to be used by IRCS internally for stock management.

PS-I experience: Challenging work

Learning Outcome: Learn front end side of mern, how to use react and associated frameworks in real life projects.

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

Student

Name: DARA NAGA VENKAT (2019AAPS0215G)

Student write-up

Short summary of work done: Our project was a type of communication type. We have to collect the information like how IRCS had worked during this covid pandemic and to suggest some measures on the preparation of 3rd wave.

PS-I experience: It was a great experience even though it was an online one. I learnt many things like presentation, report making and some group discussions. It also gave

me some experience like how to work with an unknown persons. We group of 5 are unknown to each of us.

Learning outcome: Mainly presentation skills, making ppts and reports and how to contact with the highly educated people of IRCS branches and some skills also like group discussions.

Name: MANSI PAI (2019B1A10981G)

Student write-up

Short summary of work done: Our job was to help improve the website and social media of the IRCS. The aim was to improve readability and usability of the website and to increase the engagement on their social media. We did lot of research on how this could be achieved and sent them tips on how they could improve the same. We used methods that were used by other organizations with a similar scope or slightly larger organizations and then improved on that. Each member of the group took an individual social media platform and used the same.

PS-I experience: It was initially extremely fun because our PS mentor was receptive and encouraging and helped us with forming a clear aim for the same. Also, given that they are humanitarian organization and we are living through a pandemic, it is understandable why a group of interns may not be their biggest priority in the face of having to supply blood and resources to people in need.

Learning outcome: I learnt a lot about workings of humanitarian organization. I also learnt a lot about what made clickable content on social media, how major websites make their content engaging, etc. I also picked up some new skills using HTML and CSS.

Name: MANAN MEHUL SHAH (2019B1A40870G)

Student write-up

Short summary of work done: Our team was supposed to make proposals to improve design of IRCS website and increase readership and viewership of IRCS website and social media handles. I was also assigned to development team as full stack developer where we made web-application which would account for movement of procured commodities across various warehouses.

PS-I experience: It was great experience.

Learning outcome: Learnt how to work in teams. Improved oral and written communication, social and leadership skills. Developed better work ethics. Learnt how to create website using MERN stack along with other relevant development and testing tools.

Name: SMRITI MISHRA (2019B3TS1261P)

Student write-up

Short summary of work done: Our project involves working upon and upgrading the Electronic Display Board of Indian Red Cross, New Delhi. It majorly incorporates the information about their blood bank and other stocks of the organization. This project is of paramount importance because all the people who came and visited the centres and blood banks searching for their requirements did not have easy access to the information about the availability of stocks and their numbers. This board comes to aid under such circumstances as it permits people who visit to make an informed decision about donations as well as requirements. This system also promotes transparency in the organization.

PS-I experience: The PS1 experience turned out to be an extremely good one. Our faculty mentor and station mentor were both co-operative and readily helped with all the queries and problems that we faced.

Learning outcome: 1. Learnt basic coding skills 2. Learnt a lot about rasperry pi system 3. Brushed upon soft skills like communication.

Name: KARTIK UPADHYAY (2019B4A40811G)

Student write-up

Short summary of work done: The work as to improve their website and other social media websites like twitter, You tube. Improvement can be either content or visual appeal.

PS-I experience: Mainly we had to find the flaws and other improvement of their main webpage and was to give template of different pages, and that were the things working on their website and how one can improve that, how to make it more popular among youth. What were the reason they were not having attention despite doing so much work in COVID time especially.

Learning outcome: At the end, I got how make webpage design and how to help companies get more attention on social media.

PS-I station: IRCS Delhi General Management, New Delhi

Student

Name: KARTIKAY BANSAL (2019B2A81444H)

Student write-up

Short summary of work done: Aim of the project was creation of E-learning module on open source platform Moodle for important First Aid concepts along with adding functionality of login for participants, a small exercise and marking on completion of the module.

PS-I experience: It was quite an unique experience due to the current conditions, it was 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. Also learnt how to work under deadlines.

PS-I station: IRCS Delhi Wireframe Design, New Delhi

Student

Name: SAHIL KUMAR JANGIR (2019B5TS1271P)

Student write-up

Short summary of work done: The work included making user friendly and interactive high fidelity wireframes for the "Care for Elderly" portal of IRCS, meant to improve the lifestyle of elderly people by connecting them through various service provider.

PS-I experience: There was quite a communication gap between our project mentor and which created lot of confusion regarding deliverables of the project.

Learning outcome: Wireframe designing, prototyping, creating user flow of a website, softwares like figma and adobe XD.

PS-I station: Knowcross Solutions Pvt. Ltd., - Non-Tech, New Delhi

Student

Name: SIMRIDHI GAIND (2019B1A40935P)

Student write-up

Short summary of work done: The company focus is on providing hospitality services to major hotel chains like Hyatt, Hilton, Marriott etc. There were weekly tasks, and most of them revolved at creating databases like new hotel openings in various countries or like senior citizen housing facilities. Some tasks involved finding marketing strategies or to find data of competitive softwares. Others are research oriented, like on individual Hotel group or on exploring BMS i.e., Building Management System.

PS-I experience: The experience was very good, we used to have meets for discussion and solving other queries. We learnt about real work environment and how to deal with projects.

Learning outcome: Database formation, MS excel, about the whole hospitality services domain, presentation, management and soft skills as well.

Name: APOORVA OJHA (2019B2A10967P)

Student write-up

Short summary of work done: I started my work with the non-tech team by doing some market research for marketing and making databases for the company but after two weeks as per my request I was moved to the technical team where I worked on data monitoring using grafana.

PS-I experience: It was a great learning experience. It was thrilling to work with the company mentors and learnt new skills throughout the project.

Learning outcome: Since, I worked for both the technical and non-technical team, I learnt about social media marketing database generation, MySql, Grafana and creating alerts.

PS-I station: Kotak Education- Content Writing, Mumbai

Student

Name: SHRUTI CHATURVEDI (2019A1PS1100G)

Student write-up

Short summary of work done: So basically, in the content writing vertical, I was given some small projects for which the content writing was supposed to be handled by me. The first project was for content development for QuizBuzz, which is a quiz event for class 8 students, to be held at different stages. The syllabus for this quiz will be restricted to the content that we create. For this task there were 12 topics assigned, from which my job was to work on 6 of them. The work involves researching on the internet for content, making condensed notes and putting them together in presentable formats. The second one was to plan and then create content for 5 session environmental awareness program. Here I was free to use my creativity to organise sessions in the form of videos, activities and seminars. I also got the opportunity to join in the making of presentation for proposal to CEO regarding their next project focus in covid times. This project asked for a lot more detailed research and the time crunch factor add it a little more challenging.

PS-I experience: In the content writing division, your learning curve is highly dependent on your own interest and initiative. You can work on few basic things like word, presentation, excel, making forms for quizzes on different platforms, etc. You will surely learn time management and get glimpse of an experience of how work life is. If you are into teaching and content writing, this project might be of your interest.

Learning outcome: Improved word, presentation, Excel skills, learnt more efficient and organised way for research, content development.

Name: MAYANK GROVER (2019A4PS0512P)

Student write-up

Short summary of work done: I was responsible for creating scripts of generic topics like conversation about pets and my hometown which would run upto 12 minutes of speaking time. Then I had to record those scripts to make an audio file of conversation of that script. Then added audio editing to it and added a sweet suitable background music which would make the audio file a complete podcast which Kotak Education Foundation was planning to air on Radio channel. I was also partially responsible for reaching out to various radio channels in Mumbai and ask them for partnership with Kotak Education Foundation to set up Community Radio program.

PS-I experience: My PS-1 experience was very delightful. I got the opportunities to interact with working professionals from Kotak Education Foundation. They were very tolerant if I would not be able to complete the task in the given deadline due to unavoidable circumstances. They maintained full communication with me and showed transparency in terms of using the content I made in their actual Radio program.

Learning outcome: I learnt how to brainstorm and write scripts. I got an idea of how do words and speaking time relate to each other. I also learnt a bit of audio editing.

Name: MARDAV KALA (2019B4A10715P)

Student write-up

Short summary of work done: My project required me to prepare a detailed report containing all the necessary information about various entrance examinations. The project required me to do thorough research and to master the skills of report writing and proficiency to work with Microsoft Office. My project will be extremely useful for the students under Kotak Education Foundation who wish to pursue professional courses.

PS-I experience: Got very good experience.

Learning outcome: I learnt several skills like report writing, doing thorough research, hierarchy in an organization, how in an organization one needs to go about his / her work. However, the biggest learning outcome for me was the time management.

PS-I station: Kotak Education- Dashboard Development, Mumbai

Student

Name: APOORV SINGHAL (2019A3PS0224P)

Student write-up

Short summary of work done: My team was tasked to develop dashboards for the Lead intervention in the organisation. We were assigned to extract the MIS data and produce monthly and annual reports out of it. The reports contained coverage snapshots, attendance tracking and the rubrics placement of the facilitators. We also built a survey platform for the organisation using Google forms. The aim for this platform was conduct surveys among the facilitators of the intervention to record their implementation plans, rubrics and KPIs.

PS-I experience: I had fantastic experience in my PS station. Not only it sharpened my technical and analytical skills but also my communication and interpersonal skills gained substantial boost. It provided me with much need exposure of corporate culture.

Learning outcome: I learnt about the workings and functionality of data visualisation software like Tableau and Google Data Studio. Also, I acquired vast knowledge about database management using MS Access.

Name: SHUBH VIRAL KAVA (2019A4PS0452P)

Student write-up

Short summary of work done: My work was related to data analytics. Kotak Education Foundation has thousands of entries of data for students and we had to analyse that data to find out key inferences. We also had to help in improving the design of the MIS. The MIS is a dashboard which houses the monthly progress of the team for the year.

PS-I experience: My PS-1 experience was amazing. I had an interest in Finance but I had no idea how the work life would be. This experience gave me a good taste of the industry and it was very eye opening.

Learning outcome: I learnt about many data analytics tools and also learnt to use all functionality of the software like google sheets and excel. We learnt to make dynamic dashboards to present all the inferences in a pleasant manner and also use functions like query, pivot tables, pivot charts and slicers.

PS-I station: Kotak Education - Infographics and Video Based Content, Mumbai

Student

Name: SHAH DHRUV JATIN (2019A1PS0693P)

Student write-up

Short summary of work done: Video making for underpriviledged students for KEITV.

PS-I experience: It was really very good.

Learning outcome: I learnt softwares like premiere pro, enhanced my presentation skills, soft skills and time management.

Name: ADITYA VIJ (2019A1PS1090H)

Student write-up

Short summary of work done: Our work mainly revolved arround making animated videos for Umang enrolled students. We used softwares like MS PowerPoint and Adobe Premire Pro. By the end of the internship, were able to complete arround 10 episodes.

PS-I experience: It was great experience working for an NGO, as the work I did will help an underpriveliged student to learn more effectivley.

Learning outcome: I learnt softwares like premiere pro and enhanced my presentation skills. I also learnt soft skills like video narration and time management.

Name: KSHITIJ GUPTA (2019A3PS0195P)

Student write-up

Short summary of work done: My project at KEF was KEITV which includes creating episodes using scripts, ppts and voice over. I created 10-11 PPTs and 6-7 voice overs during my time at KEF.

PS-I experience: My experience was decent. Mentors were helpful and conducted crash courses to familiarize us with the task.

Learning outcome: I learnt many functions on PowerPoint Presentation and gained some managerial skills too.

Name: LOKINÂ THIRUNATHAN (2019ABPS0168P)

Student write-up

Short summary of work done: Learnt about the organisation and about its daily activities. I made reports on different learning techniques etc. I made 3 change stories of teachers that are part of KEF Partner schools.

PS-I experience: My PS-1 experience was good.

Learning outcome: Developed on skills like presentation skills, video editing skills etc. I also learnt a bit of App development. I also gained exposure to the corporate culture.

Name: AKSHAY KHANNA (2019B2A40908G)

Student write-up

Short summary of work done: My work was to develop a module to teach basic english to vernacular medium based middle school going kids. It involved sections like grammar, public speaking and etymology. It also consisted of fun activities and exercises

PS-I experience: It was mostly a smooth experience witha few hiccups here and there.

Learning outcome: I improved my communication and presenting skills through the PS1 work.

PS-I station: Kotak Education- Portfolio Analysis, Mumbai

Student

Name: AARYAN MAKHIJA (2019A1PS0853P)

Student write-up

Short summary of work done: My work involved data analysis using Python and excel. We were given the excel data of various sources of the NGO and we had to clean the data and perform hypothesis testing on it, draw inferences and finally suggest changes to management accordingly. Extensive use of libraries like Numpy, Pandas, Matplotlib and Seaborn. We enhanced the existing dashboard of the team, using pivot tables, slicers and stuff. Also gave training sessions to their data team on Python so that they can replicate the work done in my absence.

PS-I experience: It was good. Both industry and college mentor were very responsive, and helpful. Industry mentor was kind enough to change my project on request as well to try out in Python rather than excel. It was nice to know how our contribution actually made a difference in lives of countless underprivileged students. The coordination in the team was also fantastic, and the whole process from onboarding to feedback was smooth.

Learning outcome: Learnt data analysis, portfolio optimization in my alternative project under Gaurav Sir and also learnt advance features of excel. Learnt how to give proper formal presentation and how to present yourself. Overall great experience.

Name: ANSHUMAN MRIDUL (2019AAPS0330H)

Student write-up

Short summary of work done: Created a dashboard for teachers using Tableau.

PS-I experience: Learnt a new software and few soft skills like teamwork, communication and time management. Overall good experience despite the initial hiccups.

Learning outcome: I learnt working on a new software, Tableau to create dashboards.

Name: **ABHIMANYU JAIN (2019B3A30446P)**

Student write-up

Short summary of work done: I did the work of data analysis and dashboard creation. The project assigned was like a pile of data with little meaningful inferences that could be drawn out of it. It involved analysing and interpreting the data and creating a dynamic dashboard. During the eight weeks, 3 dashboards were created for Unnati intervention at KEF that would help analyse how the team's efforts and the opportunities provided to the students are being utilised. These dashboards were created by filtering the data provided for the task and it was done with the help of various charts, pivot tables and other excel functions. Through the final dashboard, one can see as per requirement more information regarding the number of students who dropped out during the training, the number of opportunities provided to the students who were placed, self-placed, migrated or deferred. Alongwith this analysis of various numbers such as placement % , self placement % was done line charts and histograms. An ideal number of interviews to be organised to save the time and efforts of the team alongwith ensuring a good placement percentage.

PS-I experience: It was really very good experience.

Learning outcome: I learnt basic and advance Microsoft Excel. I also gained communication and presentation skills.

Name: **TEJASVI CHABBRA (2019B3AA0636H)**

Student write-up

Short summary of work done: I worked for Kotak Education Foundation with the data analytics team. My work primarily involved cleaning data that was maintained in excel / google sheets and then visualising and creating dashboards for the same using Tableau. The other project, I worked on was portfolio optimisation where I found optimum weights to invest in stocks listed on the NSE for maximum returns given a risk percentage.

PS-I experience: My overall PS1 experience was great, It was a brilliant opportunity which involved me getting in touch with lot of like minded students from other campus' and also making connections within the organisation that can be helpful in the long run. It helped me gain some new technical skills along with industry experience which really counts in todays competitive world.

Learning outcome: PS1 not only involved me learning technical skills like Tableau and portfolio optimisation but also helped me grow as individual within these two months.

PS-I station: Lakshyam NGO-General Management, Delhi

Student

Name: RONIT CHANDNANI (2019B2A11097G)

Student write-up

Short summary of work done: As part of our PS-1 experience at Lakshyam NGO, we were required to assist the organization in its operations, mainly through daily tasks centered around fundraising, teaching, marketing and content writing.

PS-I experience: I mainly got to work on creating dashboards and trackers for the organization through data received from Job application forms and classroom performance of students.

Learning outcome: Project Management, Excel and Content Writing.

PS-I station: Learning Mate- Content Architecture, Mumbai

Student

Name: DHIRAJ SINGH PAWAR (2019A3PS0286P)

Student write-up

Short summary of work done: I learnt about content architecture. Me and my team did a deep market research on LMS, CMS, ERP and SIS. We also worked on the topic "Need of LMS in higher education". We compared various famous premium LMS and free or open-source LMS. We also compared 9 famous SIS. We researched about Oracle student cloud system, Peoplesoft and Ellucian banner. We also found out why workday is getting more business than Ellucian banner. We made many presentations, excel sheets, pdfs and reports in order to properly lay down all the information that we gathered during those 8 weeks.

PS-I experience: I had great time while working for Learning Mate. The whole experience was fun and interactive. We were treated like professionals. Every company representative was humble and kind to us. PS 1 experience gave me a glimpse of how the corporate world works. It was a fun learning experience. We were told by the company representatives that the final report that we submitted to them would help their research team a lot and our report would be the foundation for the future research work of the company. It felt nice to be able to contribute.

Learning outcome: I learnt how to communicate with company professionals. I got a glimpse of how corporate world works. I learnt how to properly present the research you've done infront of a panel and how to make it look very professional and informative. I learnt lot of content architecture, LMS, CMS, ERP, SIS, etc but more than that I learnt what to expect from the corporate world when I get to actually step into it.

Name: YAGYA DUTT SHARMA (2019B4TS1273P)

Student write-up

Short summary of work done: We research on the topics "Content Architecture" and "Online Education".

PS-I experience: Okay

Learning outcome: A lot of stuff about online education, it's importance and implementation.

PS-I station: Learning Mate - Data Insights for Higher Education, Mumbai

Student

Name: APOORV THOLIA (2019A1PS0581P)

Student write-up

Short summary of work done: We read several research papers related to the retention of students in higher education, we came up with a data model that could be used for ML models. We did some sample exercises in Google Data studio using some mock data after that we build an actual GDS dashboard that gave us proper insight in the field of student retention.

PS-I experience: It was wonderful, we had daily meets wherein we used to learn some thing based on those models and get some insights in GDS or in normal corporate life. We finally came up with GDS dashboard that was helpful to us for getting insights.

Learning outcome: We learnt lot of analytical tools and did lot of research in the field of retention of students that we were able to come up with factors responsible for retention and dropout of students in higher education in USA very efficiently.

Name: TUSHAR SETHI (2019A8PS0409P)

Student write-up

Short summary of work done: Went through ton of research papers to get info on what factors could help with retention, what are limitations of retention theories, getting various retention models, doing some work on google data studio using provided mock data, etc

PS-I experience: Good experience.

Learning outcome: Data analysis and visualization, making dashboards, insights of how corporations work and teamwork.

Name: SUMANTRAK MUKHERJEE (2019A8PS0413P)

Student write-up

Short summary of work done: Understood K-12 system of education in the US context. Identified problems in the current system and possible solutions for the same. Devised metrics to measure performance of students in multiple aspects using performance vectors. Used Neural Networks to predict results of performance index and random forest classifier to predict metrics such as interpersonal relationships. Finally, used KNNs and visualisations to group students with similar performance vectors together and predict appropriate interventions for them. Moreover, we learnt technologies like PowerBI and Google Data studio to present our work to upper management.

PS-I experience: Covering the good aspects such as got corporate experience, learnt to work with team, learnt few new technologies.

Learning outcome: Tech Stack: PowerBI, Google Data studio.
Revisited - Matplotlib, numpy, scikit learn, pandas and revised a few core ML concepts.
K-12 Education: Got familiarised with the ed tech scenario in the US and the constraints one has running an edtech business.
Learnt entrepreneurial skills had to go through Y-combinator course over a weekend for PS1 test 2.

Name: ANKIT ASHOK (2019B4A40452H)

Student write-up

Short summary of work done: Analyze the performance of K-12 students in America and make predictions and improvement suggestions via data insights.

PS-I experience: Very interesting and engaging.

Learning outcome: Learnt about various data analysis and visualization tools and their implementation. Worked with ML algorithms to make predictions regarding student performances.

Name: ARYAN RITESH NIGAM (2019B5A41039G)

Student write-up

Short summary of work done: We started by reaching out to different sites publishing journals and research papers. We had to read a lot of papers and look for substantial findings related to retaining students in higher educational institutions.

PS-I experience: It was very informative experience. We had to attend daily meetings and create reports on weekly basis. The interaction with the representatives from the company were very casual and fun.

Learning outcome: I learnt about the process of findings major points in research paper and coming to conclusions based on that as well as incorporating conclusions from different sources into something coherent. We were taught about the basics of Python and ML as well. We also learnt the visual representational tools available in Google data studio.

PS-I station: Learning Mate - Data Insights on K-12, Mumbai

Student

Name: VAIBHAV RANA (2019A1PS1113G)

Student write-up

Short summary of work done: As an intern in technology department at LearningMate, I was assigned a project to develop and script an algorithm to measure student's engagement in online learning in the k-12 education system. The engagement index found will serve as a metric for risk analysis and performance analysis and will interject with other projects in this way.
Applications of the project:
1. Measuring / maximizing student's engagement in online learning.
2. Measuring / maximizing student's performance in online learning.
3. Predicting / preventing risk of a student dropping out of a course.

PS-I experience: Working with LearningMate provided a broader understanding of the challenges one faces while performing exploratory data analysis. Various ideas towards approaching a solution came up during regular meets. Several metrics important for engagement and risk measurement like interaction with virtual learning environment, student scores, dates and times of participation, etc were discussed during the meets. During discussions, our group and other groups have found each other's work helpful as we can compile our individual algorithms to complete our project.

Learning outcome: This exploratory data analysis project required understanding of various machine learning as as well as data manipulation concepts, like generating new parameters from raw data, handling insufficient or null data. The final project developed using Python libraries and other data visualization tools like PowerBI gives a panoramic view into each step of student's learning journey by leveraging rich contextual data insights, allowing teachers administrators to make the right decisions at the right time.

Name: JATHIN A NARAYAN (2019A7PS1001G)

Student write-up

Short summary of work done: We had to build and design a model which would help us determine the measure of student's engagement along with the risk of the student dropping out.

PS-I experience: The mentors were helpful and supportive, project was immersive.

Learning outcome: Learnt basic data analysis and how to apply it.

Name: B. SHREYAS BHAT (2019B1A80969G)

Student write-up

Short summary of work done: In the initial week, we did literature review and survey regarding our topics - 1) measure engagement of students in class 2) predict risk of students dropping out from kindergarten to class 12. Since, we were dealing this in an american context. We then found out method, models and algorithms used in various research papers, blogs and tried to use them in our approach. We also had to curate and modify exisiting datasets using multiple features as data is not publicly available. We used supervised learning algorithms like k nearest neighbours classifier, random first classifier, naive bayes classifier, then started scripting in Python language and used various libraries like maplotlib, seaborn for visualization and numpy, pandas to manipulate the data and use mathematical functions, finally used scikit learn to use machine learning models implement classification and find results i.e. find the accuracy.

PS-I experience: Had positive experience, the company mentors are extremely supportive, understanding and were always open to suggestions and were always ready to help and provide feedback on our work.

Learning outcome: I had fruitful experience. Learnt lot about new field of education analytics and its scope. Along with that, I also had feel of work / office culture and how to coordinate with the group to achieve a particular task.

Name: AMARTYA AYUSHI (2019B2A41467H)

Student write-up

Short summary of work done: We were asked to build a model to predict engagement of students in K-12 section of education. The research required for this was also done and we were also assigned to collect the data and form datasets to test our model on. Most of our work was in Python but to form the datasets we also had to use excel a bit. Finally, we presented our model to our industry mentor.

PS-I experience: I learnt lot of things working on our project. I also know how an ed tech company functions, its hierarchy and to work in teams.

Learning outcome: My main learning outcomes were making ML models and building datasets from zero.

PS-I station: Learning Mate Solution - Data Analytics on Higehr Education, Mumbai

Student

Name: SNIGDH SHARMA (2019AAPS0314G)

Student write-up

Short summary of work done: I was registered as 'Intern in Technology.' My role was to do secondary research in the Higher Education (i.e. post secondary schooling) domain in the US and to understand the problems that data analytics can help address and finally use various analytical tools to solve those problems.

PS-I experience: I learnt many new things during my internship. It was overall a good experience.

Learning outcome: I learnt about data analytics and various software tools used in that field. I also learnt concepts on machine learning and programming languages like Python and R. I also improved my soft skills while working with the company.

Name: CHIRAG KAKKAR (2019B4A40671P)

Student write-up

Short summary of work done: Our project was based on analyzing and measuring student's performance in K-12 education. The K-12 system of education in the USA comes with its trials and tribulations, especially affecting students. With students facing various challenges and issues, various studies have been conducted to address the performance disparities of students from various parts of the country. Using various machine learning techniques, we tried to assess and predict the performance of students based on numerous metrics (personal and professional). The insights generated are used to suggest suitable intervention methods based on data provided by industry experts. We experimented with various techniques to quantify student performance, leading to the formulation of the metric, performance vector. The performance vector is a new approach to measure performance holistically without losing any important information.

PS-I experience: It was overall good experience, I had no knowledge about machine learning before my PS, But PS-1 turned out to be an eye-opener for me in the domain.

Learning outcome: Learnt about data analytics, concepts on machine learning, programming languages like Python and R as well as soft skills.

PS-I station: Medcords - Business Analysis, Pune

Student

Name: SARANGDHAR NISHANT VIKAS (2019A7PS0043G)

Student write-up

Short summary of work done: Work involved analyzing data & coming up with insights into the data that might be useful for Medcords. It also involved learning about the healthtech startup ecosystem in India to better make sense of the data and to be able to come up with real-world insights.

PS-I experience: Experience at PS was great, I learnt lot about the role of business analyst. I also learnt about tools like SQL, Google Data studio and advanced Excel.

Learning outcome: 1. Tools - Excel, Data studio, SQL 2. Business analysis process 3. How to present data in corporate settings 4. Learnt how startups work and their work culture.

Name: SHIVAM KEDIA (2019B4A71011H)

Student write-up

Short summary of work done: My domain in PS- I was business analysis. As a part of this, I analysed various data sets to find actionable business insights for various Medcords teams. The work involved usage of various tools like Excel, SQI, Python and Google Data studio. Different patterns were analysed that suggested success of various parameters on which Medcords platform is build upon. The work involved in depth usage business acumen and required knowledge of user psychology. Overall, the work did not demand too much of time but could lead to various other sectors that were attached to the given work and were open to further exploration.

PS-I experience: The PS- I experience was good with exposure to various industry standards and working parameters. The best thing about PS was interaction with people working in industry and getting sneak peek into their lives and working. Our mentor was very supportive and explained us working of various departments and also was kind

enough to bring folks from other teams for us to interact. Overall, it would have been better in offline mode where we would have been able to look into their days and contribute to the team more effectively but given the conditions, the PS- I experience was good.

Learning outcome: My domain being business analysis, there were majorly three things that I learnt in terms of technical skills, which are:

Advanced Excel- Excel is a very resourceful tools if used right, it is very easy to analyse various small datasets intuitively and interactively right from excel itself.

Business acumen- Before analysing the data sets the most recurring questions that needs to be asked is "How will the analysis align with the business goals" and this becomes the base of the entire analysis.

Python- Analysis non-repetitive and random data sets is not possible with standalone analysation tools. Python comes handy when these data sets are needed to be analysed and makes the process efficient and easy.

Other than these technical skills, some primary skillsets like communication, team work, adaptability were something that were automatically acquired during the PS- I tenure.

PS-I station: Medcords - Content Writing, Pune

Student

Name: ADITYA BHASKAR (2019B3TS1262P)

Student write-up

Short summary of work done: The job consists of writing a short report on the working of the AAYU app followed by G-form made by me for users of the Sehat Sathi app. Then creating a document containing information about the next update and new features of the Sehat Sathi app. Along with writing notifications for both the apps of MedCords. Then write a blog, proofread a description of YouTube video. At last, the suggestion of some games to include in the next update of the app to keep users busy.

PS-I experience: The experience was insightful. We have an orientation session which made things certain and easy initially. An online mode further complexified the whole process. The PS Faculty allotted worked hard to fill the void by holding consistent review meets. The work allotted, on the other hand, gave me an opportunity to explore academic

writing and topics of content writing well. I enjoyed writing the content for MedCords and the process was sapient. The evaluation components were simple, interesting and related to the general happenings and current affairs. In short, it was middling ride with small bumps here and there.

Learning outcome: Some of the substantial learning outcomes are as follows:
1. I got to closely understand and appreciate the intricacies of content writing by writing a detailed monograph.
2. I learnt to scrutinize and filter secondary data and use necessary tools like Stata to deal with the data.
3. I enhanced my interpersonal skills by working with my peers, mentors and developed an understanding of teamwork and deadlines.
4. I honed my presentation skills by extensively using MS Office and Canva to make suitable presentations.
5. I ascertained the industry experience and work-life by doubling as an intern at such a reputed institution.
6. Two months of PS made me more aware person and better scholar.

PS-I station: Medcords - Digital Marketing, Pune

Student

Name: MOHIT RAJ (2019A1PS1144H)

Student write-up

Short summary of work done: In my PS-I station, my team and I worked on how by using digital marketing we can reach to more and more potential customers in less budget through Google Ads, Facebook Ads, Youtube, Instagram and other social media platforms. I also worked in business development and lead generation from digital, Email and social media marketing. Lead generation is an important component to business development- it allows the company to find contacts amongst the specific audience it aims to target its product at, this in turn allows them to maximize their productivity linked to the product's marketing process.
In all, we generated valid and verified business leads for 20+ companies and learnt about SEO (search engine optimization) and the ranking factors that go along with it. To apply

our understanding of SEO ranking factors practically we worked on pinging websites to improve the companies search page ranking index. Furthermore, we worked on bulk mailing and statistically analyzed our success rate and thus extracted leads from the pool of potential leads. Expanded customer base through content marketing and blog posting. Helped in product promotion through various forms of digital marketing including SEO.

PS-I experience: Overall, it was an amazing experience with some great learning. The PS introduced me to the completely new concept of digital marketing, which is relatively unexplored and immense potential. Constant guidance by my mentor and being given opportunities regularly to participate in the decision-making process of the organization induced a sense of responsibility in me and I enjoyed being an active stakeholder in this entire process.

Learning outcome: Digital Marketing, Market Ananysis, Business Anaylsis, Search Engine Optimisation and Brand Marketing.

PS-I station: Medcords - Graphic Designing, Pune

Student

Name: HARSH AGRAWAL (2019B2A30996P)

Student write-up

Short summary of work done: Graphics designing project related to product of organization. In which we have to modify Ui/Ux of application.

PS-I experience: Experience is decent. My mentor was quite humble and cooperative.

Learning outcome: Better use of Google search, patience, brainstorming skills, creative thinking, adobe photoshop and illustrator implementation.

PS-I station: Medcords - Quality Analysis, Pune

Student

Name: SANSKAR AGARWAL (2019A4PS0486P)

Student write-up

Short summary of work done: We were assigned tasks on Adhoc basis. I worked as a quality analyst at the Medcords. In the week 1, we were asked to submit a feedback report on the Aayu app (the official app of the company) as per our initial experience of the app. This task was common to all irrespective of the domain. We listed down things we liked and disliked in the app and recommended some potential changes which if done, can improve the app experience of the user. In the week 2 and 3, I was asked to analyze the particular section of the app "Order Medicines". I found out the bugs and issues in that section and also suggested possible enhancements which would lead to better functioning of the app. In the week 4 and 5, I analysed the Sehat Sathi app (another official app of Medcords used by Medical stores) for bugs, issues and possible enhancements.

PS-I experience: It was good learning experience.

Learning outcome: I developed some soft skills like writing skills and speaking skills. As we were asked to submit our findings in the form of some report, it developed my writing skills and also enhanced my vocabulary a bit. Due to group discussions and seminars, I improved my speaking skills. I became more confident.

Name: OJASWE GUPTA (2019B1A40801G)

Student write-up

Short summary of work done: I analysed the Aayu and Sehat sathi app for bugs, issues and also understood the workflow, user personal to find new enhancements that can be implemented in the app to improve ease of usability and user experience.

PS-I experience: It was good, I got familiar with the whole startup culture and how things work in an organization.

Learning outcome: I learnt about APIs, app testing platforms such as firebase tester app and staging area of different apps, I also read about user personal and learnt some things about user journey.

PS-I station: Medcords - Research in Finance, Pune

Student

Name: MUKUNDAN. P. S (2019B3A40349H)

Student write-up

Short summary of work done: Medcords is an e-healthcare startup that solves the problem of doctor consultation and medicine delivery, it works mostly in tier 2 and tier 3 cities.The domain alloted was research in finance and some major tasks that I did were
1. Writing a review and feedback of their helthcare app called aayu
2. Competetive analysis of the e-pharmacy market
3. Retail pharmacy market research
4. Identifying apps that solve the distributor and retailer medicine distribution and investigating issues faced by them

PS-I experience: It was an excellent practice station, the people were very friendly and helped me if I faced any difficulty, we were even able to talk to the CEO of the company that are few perks of working in small organisation everyone is working together and knows everyone very well.

Learning outcome: Got to know about how closely startups work and feedback on how competetive analysis and market research is being done.

Name: ABHISHEK DAS (2019B3A80439P)

Student write-up

Short summary of work done: My main task was to conduct market research related to E-Pharmaceutical sector. I also had to prepare reports and presentations analyzing various competitors of Medcords on various fields like marketing, app user interface, user experience, etc.

PS-I experience: I really enjoyed the whole PS 1. I got really good project to work on, which provided me with the opportunity to be exposed to the professional world.

Learning outcome: Learnt lot about E-Pharma Industry and the nitty-gritty of working in a startup.

Name: ANTONY JOSEPH. K (2019B3A80620H)

Student write-up

Short summary of work done: Had to analyze competitors product, the services they offered and their product flow and compare with ours. Also had to do market research in the distributor-retailer space of the pharmacy industry, identify the issues faced in that space and come up with solutions to overcome these problems.

PS-I experience: Learnt lot about market research and product comparison.

Learning outcome: Market research, analysis of product flow and revenue streams.

PS-I station: Million Sparks Foundation Content Creation, Noida

Student

Name: MAITHILI BANGINWAR (2019B1A81007G)

Student write-up

Short summary of work done: I was in the content creation team and participated in 2 projects. First, we worked on the digital lessons on MSF's ChalkLit app, which is an educational platform for teachers in particular. We renumbered modules, embedded images when needed and translated text from Hinglish to English. We were given 6-7 chapters to do daily from Math, Science and English. After my work was finished in chapter overhauling, I was moved to training curation. Aside from digital lessons, MSF also provided training programs on co-scholastic subjects, uploaded on the Chalklit app. We ourselves came up with topics and collected information, videos and images. We created these programs using Google slides and Canva presentations. Some of the trainings I covered include Time Management, Independent Learning, Nutrition and Mindfulness. After the MSF team go through the presentations, they will be uploaded on ChalkLit for teachers to use.

PS-I experience: The orientation was great - HR in charge gave us detailed introduction to MSF and all the verticals and the work they do. We were then asked to give our vertical preferences and were assigned accordingly. They also gave us work email IDs to use, which was convenient. Once we got in touch with the industry mentor, he explained the different subverticals. I went for chapter overhauling as it seemed most interesting. I enjoyed creating trainings instead. I was able to create content on my own, which was the main reason I joined this station. The MSF team was great, they were really approachable and friendly - my mentor was very quick to respond to any doubts and was quite understanding if I needed more time to do the work. In addition, although we had deadlines, the work hours were flexible and I was able to do other things.

Learning outcome: I was able to become more comfortable with Google slides and sheets. More importantly, I became proficient in Canva. I also learnt to manage time efficiently and work well in a team.

Name: RUDRA BANSAL (2019B2A30974G)

Student write-up

Short summary of work done: Throughout the period of my PS-1 internship, I was involved in the content creation domain and chapter overhauling sub-domain of the organization wherein I worked on creating content for the organization's main offering which was 'ChalkLit'. So, I worked on the ChalkLit panel wherein I made and edited content for training teachers who are teaching students from classes 1-12. I was majorly involved in dealing with chapters related to Mathematics. I was involved in the following tasks:
1. Adding relevant images to the posts of each chapter on the ChalkLit panel by either
    A. Copying and pasting them from Google to the panel.
    B. Making images using Canva.
2. Converting text based posts in the Introduction to graphic based standard template posts.
3. Changing language from Hinglish to English in the needed posts.

PS-I experience: Good experience.

Learning outcome: 1. Learnt about corporate culture 2. Learnt team work, presentation, communication and public speaking skills 3. Learnt deadline management and maintaining work-life balance.

Name: ABHIJEET ANIL KUMAR (2019B3A40435G)

Student write-up

Short summary of work done: I worked as part of two teams in Million Sparks Foundation, the marketing team and the outreach team.
As part of the marketing team, I worked on creating a list of notable events in Million Sparks Foundation's history, that could be individually analyzed using one-page impact reports. I also created a list of six parameters to analyze each event in greater detail. I was also responsible for reviewing a course offered by Million Sparks Foundation on ChalkLit (an app created by MSF) and presenting my findings to an expert panel from the company.
As part of the outreach team, I was involved in creating one-page, graphic impact reports using Canva. These impact reports were later compiled into comprehensive journey map of Million Sparks Foundation.

Additionally, my work also involved the creation of poster that listed the Dos and Don'ts of online transactions. The poster was built using Canva and aimed at encouraging teachers to purchase paid courses on ChalkLit. I also complied a series of videos that explained the poster better, using Hindi as a medium of instruction.

PS-I experience: My PS-I experience was an extremely enriching and rewarding one. I was able to gain practical, real-world industrial experience that could be combined with the theoretical knowledge gained from BITS, in order to create a deadly combination of skills. More importantly, I also gained valuable experience in working in a professional, industrial atmosphere.

Learning outcome: My learning outcomes involved better understanding of marketing in general and social media marketing in particular. I learnt the importance of impact reports and journey maps in a company as well as the steps involved in creating them. I also learnt how to use Canva. Additionally, I learnt how to work in team, which was marked departure from the traditionally individualistic atmosphere in schools and colleges. Moreover, I learnt to successfully meet (and sometimes even beat) deadlines.

Name: DHRUV DIXIT (2019B5A11495H)

Student write-up

Short summary of work done: The organization has an app ChalKLit. This platform provides courses for teachers and assists them in teaching students. There were 3 sub-verticals for PS namely, tech, content creation and fund raising. In the tech vertical, we were given user data collected from ChalKLit app and we were supposed to process and display it. We had to make web dashboard which can take several queries and give results accordingly. The tech vertical's work involved extensive use of Python (for data processing) and JavaScript (for making dashboard).

PS-I experience: Althougjh PS-1 was online but was made very engaging by the allotted BITS faculty. Evaluative were also very nice and were very different from traditional evaluatives like tests and quizzes.

Learning outcome: I learnt the real world use of programming.

PS-I station: Million Sparks Foundation - Social Media Marketing, Noida

Student

Name: SHREYA GOEL (2019A1PS0797P)

Student write-up

Short summary of work done: We made posters and videos for social media marketing and wrote an article for a fundraiser and organised a social media campaign to increase outreach.

PS-I experience: It was good and I learnt a lot by working in a team.

Learning outcome: Got to know various aspects of social media marketing and fundraising.

Name: DEVANSHU GOYAL (2019A8PS0335P)

Student write-up

Short summary of work done: I have designed posters using canva, photoshop for their app. For marketing a program and to get more reach we edited videos using Premiere pro to promote different programs and posted them on Youtube.

PS-I experience: Overall this was a great experience for me where I learnt to work as a team and learnt lot about social media marketing which will surely help us in the near future to boost my progress in the respective fields that I will pursue.

Learning outcome: Learnt about designing and marketing.

Name: ARLA ADITHYA (2019A8PS0646G)

Student write-up

Short summary of work done: We are working on the project chapter overhauling, where we have to create posters and edit them on the panel; and also we are asked search topics on various co-scholastic courses and create training on them.

PS-I experience: It was really great experience for me, I learnt lot of things. Also our instructors are very responsive and helpful.

Learning outcome: I learnt about how to use Canva more efficiently and how to make posters. Working in various fields helped me to develop teamwork and my communication skills.

Name: SANYAM AGARWAL (2019B2A41115G)

Student write-up

Short summary of work done: I was allotted the fundraising domain in the MSF, and we were supposed to do work in that field only but we did in various other fields too. We designed a social media campaign to get more outreach, made certain posters, impact reports, milestone journey and wrote an article for fundraiser that can be published on various sites such as Give India, Ketto India, etc, because the MSF is an NGO and this is how NGO raise funds.

PS-I experience: Overall PS-I experience was good. MSF is a NGO, got to know more about what company does, interacted with it's CEO and did what I was supposed to.

Learning outcome: Gained some soft skills as well as technical skills such as teamwork, creativity skills, and how to use canva professionally.

PS-I station: MSys Technologies - General Management, Chennai

Student

Name: AKSHAT AGRAWAL (2019A3PS0292G)

Student write-up

Short summary of work done: We were allotted project in HR domain. We had to do different analysis to strategize over decreasing attrition rate, employee turnover and increasing employee retention.

PS-I experience: We gained lot of knowledge and discussions were interesting. I could also complete some additional courses in the same domain. It was wholesome learning experience.

Learning outcome: My presentation and communication skills have improved lot through seminars and group discussions conducted as part of evaluation components. I got familiar to various tools like SQL, Tableau and R. Understanding HR was one of the major outcomes.

Name: LAKSHYA RAVI JAIN (2019A4PS0472G)

Student write-up

Short summary of work done: The pre-midsem work primarily involved of primary and secondary research on the ITSM industry, as well as the construction of framework for

analysis and the formulation of project structure and execution plans. Customer acquisition and employee retention strategies eventually became the focus. This entailed analysing customer and employee data, extracting actionable insights, finding anomalies and patterns, categorising and doing gap analysis. Finally, devising actionable strategies and back-tracking them while focusing on improving key outliers from the same.

PS-I experience: The project started out well with constant assist and an organic synergy between the interns and the company mentor. They took some time to send the employee data and our request for customer data was rejected citing privacy issues for the company. Eventually, the project concluded with primary data on the employee side and secondary data on the customer end of things. We presented employee retention and customer acquisition strategies to the company executives with a scope of data analytics involved in the same. Received fair amount of appreciation towards the work for the company.

Learning outcome: 1. Understanding key metrics and data required to devise a user acquisition strategy
2. Applying frameworks to use for analyzing the data received from the company
3. Gained insights to metrics like NPS, ESI, Turnover, Retention, Net Promoter Score, Satisfaction Index and other churn ratios involving the IT industry
4. Creating engaging survey forms and questionnaires
5. Understanding marketing strategies
6. Performing data analytics on the data provided and analyzing key insights through the same

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Name: PRIYANSHU APURVA (2019AAPS0324G)

Student write-up

Short summary of work done: I worked on a consulting project for the HR department at MSyS technologies. My project title was talent acquisition. I worked on doing market research, competitor analysis, software suggestions as a part of project. Our team also floated a questionnaire to find relations between organization culture and it's effect on talent acquisition and it's management.

PS-I experience: My time at PS1 was full of learning about new domain that is HR, which was previously completely alien to me. I got to understand the importance of teamwork

and communication to complete any task at hand. I also picked up quite a lot of technical skills like advanced excel, SPSS software during my time at PS1. I learnt about different consulting strategies like competitor analysis, need-gap analysis, SWOT analysis as a part of my project.

Learning outcome: Following are the skills that I learnt during my PS1-teamwork, HR management softwares, Advanced excel, attrition rates and it's effect across industries, SPSS software for analyzing our questionnaire data.

Name: HIMANSHU SINGH (2019B2A80938G)

Student write-up

Short summary of work done: Created frameworks, followed by cleaning and enrichment of data received to finalise metrics to be evaluated from the data. Analysed customer data and gain serviceable insights and identify outliers and trends, categorise and perform gap analysis. Analysed employees data to check the satisfaction level among employees with their organisation. Formulated multiple strategies to improve the same. Formulated actionable strategies divided as short and long term strategies to improve the provided metrics.

PS-I experience: Msys Technologies, as an organization was very supportive of taking us through a well-structured orientation program. Multiple sessions with the VP and other heads in the organization helped to develop a deeper understanding. Working on analysis was quite helpful as we learnt about frameworks and matrices used in the industry. Sessions by PSD were quite insightful and made many questions and queries regarding industries clear.

Learning outcome: I learnt about corporate structure, hiring, client acquisition and project timelines. Got introduced to analysis tools and matrices that helped analyze the client and employee satisfaction data and learnt more about the ITSM industry and its impact on Indian GDP. Moreover, the sessions organized by PSD were very insightful and diverse that let us gain better understanding of multiple industries.

PS-I station: NIRDPM - Analytics and IT Management, Hyderabad

Student

Name: RHEA (2019A3PS0149P)

Student write-up

Short summary of work done: The RSETI ERP portal development project entailed building the backend. The Enterprise Resource Planning (ERP) portal developed is meant to be utilized by the Rural Self-Employment Training Institutes in India (RSETI). The modules developed by us include training, infrastructure and assessment. Each of these modules represents an important aspect of the process of providing skills and employment opportunities to the rural population. These modules are designed to cater the needs of different actors who will be accessing the website as classified by the access management module.

PS-I experience: The whole web development thing was very new for the whole team. The initial progress was slow because we had to learn new languages and concepts. However, with a growing level of comfort, we could complete the modules well within the deadlines. Due to this efficiency, we were allotted more modules with higher system logic complexity and nuances.

Learning outcome: We learnt about RSETI and what is the need of the website. Getting introduced to this new field of web development, we learnt about what all skills are required for developing functional web application. We started with backend development and learnt PHP, MySQL and Yii framework. We learnt how to connect the database to the web application using Yii. As we progressed, we switched to Python as it was more efficient. We also switched to Django and PostgreSQL to increase efficiency. We learnt how to create various parts of the web application and how to connect them. We created models, views, urls, forms and the databases and integrated them together which made the website functional. We also had little understanding about the APIs used for geolocation services. On the non-technical front, we learnt to manage our time and work in a professional capacity. We also learnt the importance of teamwork and playing to each member's strengths.

Name: PRATEEK NANDA (2019A3PS0295P)

Student write-up

Short summary of work done: Analyzing the research papers and their popularity using H-index, citation count and other different metrics using data analytics. Revamping the type of articles published in the journal and comparing its quality with other journals published worldwide.

PS-I experience: Just decent.

Learning Outcome: Satisfactory learning outcome, helped me get taste of real world work scenario.

Name: RAHUL TAAK (2019A7PS0012P)

Student write-up

Short summary of work done: In the starting few days of PS-I, I came to know about the structure, working and vision of the organization, after which I got assigned with the project. The name of my project was 'Inspection Mobile Application Development' using Android studio. Therefore, our team started with learning the basics of Android studio and its features.

The DDU-GKY program's Inspection module was the centre of this project, which was based on Mobile App Development. The project's main goal was to repair / fix the bugs of different priority levels present in the DDU-GKY Mobile application which were obstructing the conduction of the inspection process via mobile application. Those bugs vary from location issues, sample generating issues and camera issues to exception handling failures, API errors and server problems. We stored the DDU-GKY code database, provided to us by NIRDPR team, in Android studio. At the same time, it served as an excellent debugging and testing tool. Therefore, fixing those different categories of bugs not only smoothen the Inspection process but also helped us in creating an interactive and user-friendly application interface.

PS-I experience: Overall, it was very nice experience with lot of new things to learn. I got really good project to work on, which provided me with the opportunity to enhance &

develop my skills. Our mentors guided us throughout the project and were very helpful. Apart from the learnings in the project, I also became aware of the various initiatives being taken in the field of rural development and how rural problems are being dealt with.

Learning outcome: PS-I was literally great learning experience. Whether they are technical skills or non-technical, whether they are management skills or problem-solving, PS-I has helped me a lot in learning these. Talking about the key learning outcomes, I learnt Android app development, the debugging process, cooperation, teamwork, efficient management of time and workload. Also, my presentation and communication skills have improved a lot through the seminars and group discussions conducted as part of evaluation components.

Name: AMAL P . J. (2019A7PS0018G)

Student write-up

Short summary of work done: First four weeks were self study. I learnt data analysis from internet. Then, the last three four weeks were the time we actually got to work with the station mentor. I read articles, papers on the topic, studied in detail, collected all the data required from websites, arranged and cleaned the data. I used some data visualisation techniques which I learnt for analysis of the data. Basically, the entire project was data analysis. We did what we could do within the short time we got with station mentor.

PS-I experience: Good learning experience.

Learning outcome: I learnt data visualisation tools such as Google data studio, flourish studio and advanced MS Excel.

Name: SHREY RAJ (2019A7PS0026P)

Student write-up

Short summary of work done: The Enterprise Resource Planning (ERP) portal developed is meant to be utilized by the Rural Self-Employment Training Institutes (RSETI) in India. The modules developed by us include training, infrastructure and assessment. Each of these modules represents an important aspect of the process of providing skills and employment opportunities to the rural population. These modules are designed to cater the needs of different actors who will be accessing the website, as classified by the access management module. The training module covers all aspects of the candidate's journey, from registration to allotment to a batch. The Infrastructure module involves batch creation and the assessment module includes two major parts: registration and approval of various users and their access management, as well as various system logics used to define and automate processes like batch freezing, approval of candidates and allotment of assessors based on their geo-location (using Google maps API to shortlist the closest assessor), along with editing, viewing and approval functionalities. This project requires sound fullstack development skills. Frontend design requires HTML, CSS, Javascript. Python, Django framework for backend and PostgreSQL, pgAdmin for managing databases. Models, URLs, views, templates and forms are an integral part of Django web application. We were assigned one module each and we had to write all the aforementioned parts of the web application so that we get a clear understanding of the working of the website.

PS-I experience: It was good. These 2 months we had daily meetings and it taught me to be consistence with work. Also the working of the industry was nice and although it was remote, we got good chance to interact with professionals.

Learning outcome: Learnt time management skills and there were deadlines to be followed and communication skills.

Name: BHARAGAV VARADAREDDY (2019A7PS0108P)

Student write-up

Short summary of work done: We first studied the various development indices to determine which ones to choose for our analysis. After selecting the development indices which we felt most comprehensively covered the various facets which determine a country's development, we analysed the trends in those indices over the years for India (which was our sole focus) through UNDP reports from 1990. We then concluded and

made remarks as to how and why certain trends in the select few indices had occurred and analysed India's progress over the past 2 decades in terms of their own growth as well as compared to other fellow UN Nations.

PS-I experience: It was an unique experience as it was my first internship of any sorts. I would say it was enriching in the sense that we understood how exactly nations were ranked in the world in terms of development in various facets, how exactly these indices were calculated and how India is ranked in various aspects among the other UN member nations (contrary to what I thought)

Learning outcome: I learnt few technical skills like Flourish studios, Google Data studio for data visualization and tools like Jupyter notebook and selenium while trying to extract and compile the data from reports, but I more importantly learnt (atleast in a way) how an IT setting would seem, the etiquette and nuances of talking to senior members in the organisation and our "bosses" (mentors in this case) and finally how to effectively work with colleagues you dont really know much about.

Name: BORRA SAI MEHER (2019A7PS0142P)

Student write-up

Short summary of work done: Collected data related to many indices from the annual UNDP human development reports and some other sources. The data was organised and cleaned. Various data visualisation tools like Google data studio, Flourish data studio, MS excel and Python helped make the graphs and charts to analyse the data.

PS-I experience: It was pretty good experience as a whole. It presented an opportunity to look at other fields of computer science and learnt new tools to visualise data. The process of getting the project was little delayed in our station and the amount of work given was very decent.

Learning outcome: Learnt to use Google data studio, Flourish, MS excel and Python in this duration.

Name: SIDHARTH VARGHESE (2019A7PS1133P)

Student write-up

Short summary of work done: The project is titled "Inspection Mobile App Development" and the domain is App development. The platform used is Android studios and the primary programming languages used are Java and HTML. The project assigned aims to deal with different bugs pertaining to the inspection portion of the DDU-GKY application in hopes to create an interactive, user-friendly interface where the entire inspection process can run in an effective and smooth manner.
Work completed over the course of PS-1:
- Formulated idea for fixing the sample generation bug which was causing more than the required number of samples to be generated.
- Fixed a camera-issue bug which prevented the camera app to open.
- Formulated idea to fix a submission 500 bug.
- Fixed a JSON reader bug which was solved by introducing a 'gson.google.com' dependency.
- Fixed an unable to save data bug by setting the GSON parsing mode to lenient mode.
Due to server-side login issue persisting in the application for nearly half the duration of the course of the project, our team struggled to make substantial progress. However, we hope that the more senior developers at NIRDPR can bring fruition to our efforts by properly implementing the ideas stated above, which would lead to NIRDPR benefitting as a whole and help boost the progress towards making the DDU-GKY app function smoothly and efficiently.

PS-I experience: During the entire course of the PS program, I was able to learn lot ranging from new technical skills like operating Android studios to important team-building soft skills necessary when assigned with a work project. I had good chemistry with my project team members, where everyone eagerly helped each other out when we faced issues. The experience I've received from the App development project is immeasurable. In short, the PS-1 program has been an ecstatic and resourceful journey that would definitely help boost my future career.

Learning outcome: - Gained apt technical skills in the field of app development with regards to java and HTML fluency.
- Able to incorporate basic soft skills and team-working skills crucial in an ideal work environment.
- Able to learn how effectively use the debugger tool to fix major bugs residing in the application.

Name: SAAKETH REDDY VADDI (2019A7PS1215H)

Student write-up

Short summary of work done: Development of a product in the form of a web application for the organization NIRDPR. The website helps in collection of statistical data in digital form across the nation - States, Districts, Blocks and Villages. The data collected by the website can be used by officials to take corrective measures to reduce the distress levels and bring them to normalcy.

PS-I experience: Very nice experience, I was able to learn lot from my mentor and PS1 faculty.

Learning outcome: I learnt about the importance of professionalism, communication and teamwork when working in a professional environment.

Name: ARMAAN SINGH SANDHU (2019A8PS0379P)

Student write-up

Short summary of work done: We had to build a website from scratch for registration to courses offered by NIRDPR for pest management.

PS-I experience: It was nice experience.

Learning outcome: I learnt about skills like HTML, CSS, MD BootStrap, JavaScript, CodeIgniter, Xampp. I also learnt about MVC architecture and PHP.

Student write-up

Short summary of work done: Made courses on adaptation of climate change and sustainable livelihoods and biodiversity governance on iGOT platform for government officials.

PS-I experience: Online PS is difficult for us but for the industry people also had difficult time doing basic tasks like setting up a meet or transferring data by gdrive etc. Mentors expected us know front-end and data analytics but we didn't so they gave us content writing projects and wanted us to do digital marketing and social media management. But the mentors were experienced personnel and their behavior and etiquettes helped us experience the industry and gain essential knowledge in many fields. Also, substantially improved our mail drafting.

Learning outcome: Comprehensive knowledge on content development, mail drafting, presentations and report writing.

Name: VOLETI VIKRAMADITYA (2019A8PS0642G)

Student write-up

Short summary of work done: Created a repository of dedicated resources geared towards automation of the research data pipeline at organisation, through educational modules on 3 tools-
      Python pandas for data cleaning
      Python NumPy for data manipulation and operations
      Google Data studio for data visualisation, dash-boarding and reporting
This cuts down time and effort normally expanded while up-skilling in the above 3 tools significantly. Generated 10+ interactive dashboards and reports using data from sources provided by industry mentor with valuable insights and inferences which can be directly shared to clientele or can be embedded in any website.

PS-I experience: PS-1 surpassed all the expectations I had. We were given the flexibility to choose the project we would like to work on and also choose our team. This helped us

understand the importance of team building. We were constantly challenged to take up higher skills and work on them by our industry mentor, who acted as guide through out the tenure of our PS1. We had very good working balance as a team and were able to deliver more than satisfactory results and deliverables. We also maintained a transparent and close communication with both our industry mentor and faculty mentor. Hence, PS 1 was grand success and memorable experience that was not only fun, but also challenging and exciting and taught us the ground reality of working in the corporate sector. The various lectures and sessions held, especially in the fields of finance and management were very interesting and gave valuable insights into the typical working experience and the skills that are necessary to be developed.

Learning outcome: – Gained data cleaning and analytics skills such as Python Pandas and Python NumPy.
– Learnt data visualisation through Google Data studio.
– Learnt the skill of teaching through modules and reference videos in the process of making the same.
– Learnt to adapt to any situation and work smartly according to the requirement.
– Understood the importance of communication and co-ordination not only with team mates but also with mentors.
– Understood the significance of meeting deadlines and dynamically working to get work done.
– Learnt how it is, to be working as a part of team.
– Learnt how to sell and convince an idea to clientele.
– Learnt to take feedback and criticism constructively and use the same to better ourselves and our work.
– Learnt the way the corporate world works and gained insights into the skills required for the same.
– Learnt the importance of time management and improved the same personally.
– Developed high level communication skills that would enable us to get an idea through.
– Learnt the ways to secure opportunities to work and gain exposure.

Name: SHREYA R. KUMBAM (2019A8PS1246H)

Student write-up

Short summary of work done: We had project where we developed an ERP for RSETI (Rural Self Employment Training Institutes). Initial part of the project was to develop a training module where we created several sub-modules which covered all aspects of the candidate's journey, from registration to allotment to a batch. Later, as we progressed,

more modules were assigned to us which had the assessment and certification module where we created webpages for trainers and assessors. We further worked on scheduling assessments using the assessors to end our work. Throughout, we worked with the team and delivered daily updates to our mentor.

PS-I experience: Overall, it was very new and good learning experience. I got an insight into how the IT side works like and had holistic industry exposure. Apart from the learning in my project, I also became aware of the various initiatives taken up in the rural development side and how they were serving to everyone. The team members and mentors were very helpful and friendly.

Learning outcome: We learnt about RSETI and what is the need of the website. We started with backend development and learnt PHP, MySQL and Yii framework. As we progressed, we switched to python, Django and PostgreSQL to increase efficiency. We created models, views, URLs, forms, databases and integrated them together which made the website functional. We also had little understanding about the APIs used for geolocation services.

Name: SRUJITHA VENKATA BADE (2019AAPS1024G)

Student write-up

Short summary of work done: The project I worked along with my team was Agrarian Distress Index. We created a fully functional website to calculate the Agrarian Distress Index of the rural population. The website had two main parts - The main survey form and the admin panel, along with other pages like landing page, login page only for admins and menu page. In the main survey form, the user enters his ratings on a scale of 1-5 for certain risk descriptions. The ratings were multiplied with a weightage provided for each question to get the score of that question. Similarly, all scores from all questions were added together which was the Agrarian Distress Index of the user. The admin panel was dynamic and allowed the admins to change the risk descriptions / weightage, etc. which was reflected in the main ADI form. The project required full-stack development – frontend, middleware and backend. For the frontend, we used HTML5 and CSS for designing the web templates, for Middleware - PHP and AJAX, for backend we used phpMyAdmin and MySQL for the database (mainly to store all the user details and as a question bank). We also used WAMP server to run localhost for temporary usage and demo of the Website.

PS-I experience: My PS1 experience was really interesting and I enjoyed every day. It gave me feel of industry experience and how to work in a professional environment. Every day had new challenge and taught me how to keep up to the deadlines and the importance of them. I interacted with so many new people and learnt so much from everyone. Working as a team was really fun, and team discussions poured in so many new ideas, giving the project a new perspective each time.

Learning outcome: Every day was a new learning experience for me. Practice School was huge turning point in my life and I realised how much knowledge was out there and how many new things I could learn. Right from writing daily reports to weekly diaries to presentations, I realised the importance of being organized and up to date with everything. I learnt so many different softwares, languages, experimented and explored through trial-and-error right till the very end. It indeed taught me so much in these 2 months.

Name: SIDDHARTH KUMAR (2019ABPS0539P)

Student write-up

Short summary of work done: Development of ERP website for RSETI-NIRDPR.

PS-I experience: Good learning experience.

Learning outcome: Learnt Django, yii2.

Name: ATHIF. K. P. (2019B5AB0764P)

Student write-up

Short summary of work done: Compilation, analysis and the visualization of data about different development markers at the gram panchayat to help in policy making.

PS-I experience: Learnt lot from my short stint there.

Learning outcome: Basics of data analytics, adobe premiere pro.

Name: AMULYA GUPTA (2019D2TS1278P)

Student write-up

Short summary of work done: I have worked on 2 apps:
1) To develop the correct UI for the Kaushal Aapti app. In the Kaushal Aapti app is used to discover the skill interest and aptitude of users. My work was to develop the UI for existing app because to login it needs authentication from another app called Kaushal Panjee and have uploaded the app on play store.
2) To test and debugging of the app Kaushal Bharat app along with API test. Testing with existing APIs on postman. The app has to start the inspection of the training centers, but because of some API failure the app was having bugs. The app has retrofit api and libraries.

PS-I experience: It was great experience for me. Even though it got bit hectic because of having 2 projects, I learnt lot from it. The NIRDPR team was very helpful and guided me in great way. The 1st project was pretty straight forward but helped learn a lot of new technologies like flutter. The 2nd project was challenging. I was continuously touch with the Director and he also helped me lot with connecting with many professionals and experts from the field.

Learning outcome: 1) Learnt Android development 2) Team work 3) Problem solving 4) Perseverance 5) Testing using Android studio 6) Debugging using Android studio 7) API testing with Postman
Overall, PS developed a sense of confidence to learn and implement our skills on any real life projects.

PS-I station: Patch over Patch - Website Design, Surat

Student

Name: DENDI DHEERAJ (2019B2A41128H)

Student write-up

Short summary of work done: We have been assigned to do website for the company that is used to showcase the company's products and to sell them and to interact with our customers. The website should be designed in a way that it incorporates the aesthetics and the beliefs of our company and able to inspire new users and to convey our company's main motive and to inspire them. The website had lot of things including the company's origin, process behind making their products, inspiration, their communities and also includes new clothing outfits that reflect sustainable fashion which will inspire people to encourage sustainable fashion and to sell these outfits.

PS-I experience: This was my first time to work to company and to have colleagues. The work atmosphere was so encouraging since I got to work on a project which I'm interested in. The communication and the coordination between me and company's mentor was overwhelming. The company gave me enough support and time to learn new things before starting the project. The team coordination was good. It was pleasure working with the team and the experience I gained was so encouraging. There were lot of new concepts I have learnt and at the same time applied it in our project. Overall, PS-1 was just like work experience, following company orders and fulfilling them, working like team, having group discussion and giving presentations. I gained lot of confidence and experience and I'm keen to explore new stuff in my coming days.

Learning outcome: I learnt how to design and develope a website, to communicate with mentor, to divide work between teammates, to organise my work. I have developed by soft skills and my presentation skills. The software I learnt are HTML, CSS and Java script and learnt applications like Figma.

Name: SIDDHARTH RATHI (2019B2A80730G)

Student write-up

Short summary of work done: The work was divided into 3 parts for web development. The first one was content creation and writing, second was front end developement and third was back end developement. So we didnt know much about web developement but over the time, we started learning different languages and started implementing them side by side.

PS-I experience: It was great experience, it taught us the working structure of an organisation and how the work is done in industries professionally!!

Learning outcome: I learnt various programming language required for web developement. Other than this, I learnt the Figma app used for designing web layouts.

Name: PILLALAMARRI SATYA PRANAV (2019B4A80800H)

Student write-up

Short summary of work done: The project's main aim was to develop user-friendly interface with crucial design elements embedded into it. Taking the existing website as a base. The fundamental that went into designing the web pages was to convey the company product theme through images and design choices such as color, fonts which are thoroughly discussed, which then are visualized using FIGMA and thereby finalizing and implementing them through web development technologies such as HTML, CSS, JAVASCRIPT to create the webpage. I also developed the content for the webpages keeping in mind the company's motto.

PS-I experience: This being my first internship experience ever. I am very much contented to learn many things and work at the same time. I was given my freedom to learn new things in the project domain and explore. I am glad to have such an opportunity and gladly recommend it to my juniors.

Learning outcome: I have improved myself in many areas such as interpersonal communication skills, presentations, group discussions and also working with other members of team and most importantly learnt web designing and development which are

very useful skills to have in the IT sector. Also working with startup company, I have learnt the problems they faced and their business model.

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

Student

Name: SIGIREDDY ADITHYA VARDHAN (2019A8PS0438P)

Student write-up

Short summary of work done: Prepared the annual report for PARC.

PS-I experience: It was great and I learnt many new things as well as time management.

Learning outcome: Proficiency in Adobe Illustrator, Soft skills.

PS-I station: Pilani Atma Nirbhar Resource Center (PARC) - Digital Literacy, Pilani

Student

Name: REDDI KRISHNA VAMSI (2019A4PS0461G)

Student write-up

Short summary of work done: In short, during the first part of the PS, we have mostly done internet research and reading different articles to get the necessary information. During second part of PS, we have done telephone survey in total with 100 people.

PS-I experience: My experience was great, I have done nearly 50 surveys through phone calls and personnel. I learnt team work and time management.

Learning outcome: Learnt presentation skills, analyzing the data, doing surveys, communication skill.

Name: YEJOOR CHAWLA (2019A5PS1090P)

Student write-up

Short summary of work done: The objective of the project was to understand the current state of digital literacy in rural India, identify gaps and bottlenecks in the current state of rural digital literacy through internet research and data analysis, along with surveys and eventually coming up with plausible solutions regarding the same. This project had three major components - internet research, an associated survey and data analysis. It involved an in-depth research about the overall status of digital literacy in rural India including Digital Literacy, Technology Adoption, Information Communication Technology, Digital Divide, Rural Digital Literacy and Role of Digital Literacy in SDGs. On the basis of this research, the data obtained was utilized for preparing a questionnaire consisting of 45 questions. Using this questionnaire, conducted 100 telephonic and face-to-face surveys as a part of 3 membered team during the tenure and presented the granular data gathered from these. The data collected from these 100 surveys was documented and logical conclusions were drawn from these. There were observed notable changes in the patterns of shift of rural India towards the empowerment tools available for use and digital delivery methods along with technology awareness bringing about an overall transformation. Rural India is definitely taking a step closer to digital literacy. It was interesting to notice that the country at large is pivoting towards digital services, technologies and towards digital literacy in general. Digital awareness and adoption is genuinely more than what could have been imagined.

PS-I experience: The experience of conducting this survey was enriching, insightful, knowledge imparting giving a holistic understanding about the existing challenges in digital literacy in rural India. However, while conducting these surveys, certain challenges

were faced which included the fact that surveys are mostly conducted face-to-face on hard copy basis but this survey had to be conducted on a remote basis in a digital manner using excel sheets. While conducting a telephonic survey, one needs to refer to the list of directories, and these directories have certain wrong or unupdated numbers. There are certain people who never pick up calls from unknown numbers, even if some of them will pick up the calls, they will disconnect the call immediately dismissing as spam callers. Then, in the middle of the survey, there are certain times when its often hard to convince people to answer certain questions or keep the momentum of the survey going till the end. Even if one convinces people to answer the questions, some people skip certain questions, there are certain times when people hesitate answering some questions considering them as confidential ones or often providing misleading / wrong information. Additionally, there might be communication gap from the end of the interviewer, who might be going too slow or too fast or there might be network issues from both the ends, which may make the voice break leading to discontinuity in the survey. The data analysis involves the use of graphs - pie charts and bar graphs, depending upon the number of questions and the number of responses recorded and type of response which was provided by the respondents.

Learning outcome: The industry experience gathered will be useful in opening a floodgate of opportunities in terms of what digitisation has to offer to the people of rural areas, widening their horizons. During this project, the major learnings were managing, leading a team and communicating with the stakeholders, conducting surveys to validate our hypothesis - involving first data gathering and then preparing a relevant questionnaire and then subsequently contacting the right stakeholders - to get detailed understanding of the prevailing situation, along with time management to manage deadlines and ensuring work gets done before time throughout the entire process. Additionally, also learnt the technical skills of conducting remote surveys, gathering stakeholder's data, documenting this data and then using the relevant software for plotting graphs and then using these plotted graphs to come to logical conclusions against the gathered information. Therefore, the overall learnings were communication skills, people skills - where one needs to be apt to modify the questionnaire if required, documentation skills and analysis skills.

PS-I station: Pilani Atma Nirbhar Resource Center (PARC) - Photography, Pilani

Student

Name: ALLU HARI KRISHNA (2019B2A40916G)

Student write-up

Short summary of work done: We conducted a telephonic survey regarding digital literacy in rural areas. We also collected the reports and information of digital literacy schemes in India through Google.

PS-I experience: It's really good station. It's whole new experience apart from the college life.

Learning outcome: Presentation skills, data analysis skills, managing and working with a team.

PS-I station: Pilani Atma Nirbhar Resource Center (PARC) - Spatial Mapping, Pilani

Student

Name: RITVIK JAIN (2019A8PS0397P)

Student write-up

Short summary of work done: Because the project goal was to map the PARC region of interest with high precision, I needed to first study spatial mapping; in order to comprehend spatial mapping at a deeper level, I also began studying about remote sensing, which assisted me in grasping the core ideas. To create output, I required to utilize GIS software. After comprehending the idea of the industry mentor, which was to map schools, bus stops, ATM's, hospitals, population and other data points essential to PARC. I began working on it. The main issue was extracting data, which was exacerbated by the fact that I also wanted to extract coordinates of locations. The main problem got solved when I learnt about technology called web scrapper. Using this method, the process was automated, saving over 700 hours of work while maintaining data quality and ensuring zero errors. Following data extraction, I analysed the raw data in Excel and presented it on maps using QGis.

PS-I experience: Along with learning multiple tools , I also experienced at PARC ways to utilize new tools with steep learning curve and master them in much shorter amount of time, which I felt is much more helpful in modern economy where we must continuously learn and innovate at high velocity. I truly believe that my experience in this PS will go far beyond this past 2 months and be relevant throughout my life.

Learning outcome: In PARC, I was able to acquire variety of soft skills that are necessary in today's industry, such as time management, networking, teamwork, creative thinking, and conflict resolution. Along with these soft skills, I also learnt various hard skills such as PowerPoint presentation, report writing, raw data processing in excel, remote sensing, web scraping and using software such as Google Earth and QGIS. I also learnt about spatial mapping, which is a huge, valuable and growing industry. I also learnt lot more about Excel and became aware of its full strength and potential.

Name: SYED RAAFAY MOHIUDDIN (2019B3AA0382H)

Student write-up

Short summary of work done: We were asked to do spatial mapping, in which we downloaded satellite images and plotted different socio-economic factors.

PS-I experience: It was great experience, got to learn many new things.

Learning outcome: Learnt many things to complete project like - basics of remote sensing, spatial mapping (GIS). Apart from this, I learnt may thinks in this whole process. Things like - Web scrapping, writing good reports, making good ppts etc.

Name: SYED RAAFAY MOHIUDDIN (2019B3AA0382H)

Student Write-up

Short Summary of work done: We plotted schools, hospitals, ATMs, banks, grocery stores in the pilani region.

PS-I experience: It was great experience. I learnt spatial mapping, got new friends, got new mentors, had good group discussions.

Learning Outcome: There where many learning outcomes such as spatial mapping, GIS, web scraping and report writing.

PS-I station: Pipe Candy - Business Analytics, Chennai

Student

Name: KHANDELWAL VEDANT CHINMAYA (2019A8PS0660G)

Student write-up

Short summary of work done: My project was based on keyword extraction using Natural Language Processing (NLP) from E-commerce webpages. The project aims to provide a well defined method to extract meaningful key phrases from larger text corpus. Beautiful soup was used to extract content from HTML pages. Generator functions were used to allow declaring a function that behaves like an iterator. They allow programmers to make an iterator in a fast, easy, and clean way. Keyword extraction algorithms like YAKE, TF-IDF, TextRank, PageRank, KPMiner were implemented using Python Keyword Extractor, an open-source library.

PS-I experience: It was great, mentor was very friendly and supportive and wanted us to learn more than just work for the company.

Learning outcome: Understanding of basic NLP techniques, text mining on large datasets, methods to achieve production standard code work.

Name: CHIRAG GUPTA (2019B3A70555P)

Student write-up

Short summary of work done: Preforming regression analysis and building models to predict website traffic and websales.

PS-I experience: Learnt lot about how to approach problems in business environment, various problem solving techniques and how to work in professional environment.

Learning outcome: Learnt about build models based on regression analysis, how to communicate in business environment.

PS-I station: Pipe Candy - Industrial Research, Chennai

Student

Name: ANEESHA JAIN (2019A1PS1529H)

Student write-up

Short summary of work done: I prepared detailed market intelligence research reports with valuable insights profiled with crosstabs for market share by web sales, market share by region, market share by web traffic and future of the said technology or category in e-Commerce on: North America, predominantly taking USA, Mexico and Canada, Product categories: Sporting & outdoor, Consumer Electronics & Appliances, Pet Food & Pet Care, Grocery & Home Supplies, Stationery & Office supplies and e-Commerce Technology: Shopify, Magento. I used Web-scraping using Python tools selenium and beautiful soup to extract data for 200 e-Commerce companies from cruncbase and later use it for data analysis and analytics. I also did secondary market research on 176 e-Commerce companies to gain insights on attributes like funding, expansion and partnership.

PS-I experience: The first thing PipeCandy made us understand was e-Commerce, it's different types based on customers (B2B, B2C), nature of goods (physical, digital &

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services), business models (pureplay, omnichannel) and selling (D2C, market place). The next step was to get knowledge of the parameters used to estimate the market size: GMV (gross merchandise value), web sales, traffic rank. We spent our inital weeks in learning the terms and data analytics in Excel. After getting the complete understanding, our mentors asked us to analyse the market size of different e-commerce technologies across the world based on various parameters like product category, number of merchants, sub-categories, number of merchants, GMV, web-traffic, etc. Then we had to examine and document different reasons and explanations for particular trend in e-commerce technologies. For example, one trend was the total number of worldwide merchants were higher for product category Fashion & Apparel but the highest GMV was generated by product category Sporting & Outdoor. After analysing all the different trends, we finally prepared market intelligence reports with valuable and relevant insights.

Learning outcome: Intense market research, Data analytics, Statistical study, Secondary market research, Advanced Python and Data interpretation using Excel.

Name: ANIKET BHUYAN (2019B5AA0656G)

Student write-up

Short summary of work done: My vertical at PipeCandy was industry research where I mostly did market analysis and research on different e-commerce parameters and technologies. In the initial week, my mentors explained me the industry terminologies and asked me for write up on what I understood. After the initial period, I was provided data that the data science team had collected for client and was asked to analyze and find insights in them, according to different parameters. For that I used advanced MicroSoft Excel skills and additionally had to perform robust secondary research to find meaningful and relevant real world insights. Then I had to write technical report about the insights, findings and provide reasons from my secondary research. For eg: Analysis of the German E-Com MarketSpace, Global Market Analysis of the Sports and Outdoors Industry, etc. During the last couple of weeks, me and my team-mate were asked to do some web scrapping on the target companies and additionally do some secondary research. Moreover, we were also asked to research and provide information regarding companies who had recently been funded or were expanding their business.

PS-I experience: PS-1 was good experience where I learnt lot and gained industry exposure & experience. I learnt about market research, sizing and how to analyze data in a meaningful way. Secondary research and writing technical reports in presentable way

were also some key knowledge that I gained from my internship. I also learnt about work ethics and how to tackle deadlines, which I believe are very important skills in our life. It was my first exposure to the corporate world and it will definitely help me to make an informed decision for my career in the near future.

Learning outcome: Data Analysis, Secondary Research, Market Analysis and Research, Web Scrapping, Advanced Microsoft Excel skills, Writing Technical Reports, Time Management, Teamwork and Communication skills.

PS-I station: Pipe Candy - Marketing, Chennai

Student

Name: ADWIK VERMA (2019B2A30942G)

Student write-up

Short summary of work done: I worked with PipeCandy's marketing team on optimizing their marketing funnel and contributing in their GTM strategy.

PS-I experience: The overall experience was excellent. Our industry mentor was very helpful. He gave us multiple sources, blogs and study materials to learn about marketing. It was great learning experience for me.

Learning outcome: I learnt about different aspects of inbound marketing, about working of marketing funnel, lead generation, keyword analysis, lead scoring, scrum.

Name: KAMAT GOPALI MADAN (2019B2A81071G)

Student write-up

Short summary of work done: Set up Hubspot automation workflows for streamlining the flow of opportunities from different sources and triggering automated actions in an effort to speed up the qualification process. Set up reports on Hubspot that allow speedy weekly management drill-downs on the sales funnel. Set up forecasts for inbound, outbound and funnel activities. Participated in GTM strategy, lead qualification, customer portfolio analysis and SEO.

PS-I experience: Developed strong theoretical understanding of various inbound marketing concepts and got firsthand experience of applying the same in formulating GTM strategy and building actionable insights from lead qualification, customer portfolio analysis and SEO to develop actionable insights.

Learning outcome: GTM strategy, inbound marketing, ABM, marketing funnel optimization, lead scoring, lead qualification, customer relationship management integration, customer portfolio analysis, SEO, keyword research and analysis.

PS-I station: Prakriti Organics - Website Upgradation or Enhancement, Bilaspur

Student

Name: ANURODH CHADHA (2019A3PS0358H)

Student write-up

Short summary of work done: Work involved modifying firms existing website and implement some new functionalities.

PS-I experience: It was really enriching to see the culture and structure of company. I learnt multiple soft skills along with the exposure to web development skills required for modifying the website.

Learning outcome: I learnt several technologies but more important thing was the corporate atmosphere that we got to see. We learnt how to interact with officials and completing work on time under strict deadlines.

Name: SANJOG AGARWAL (2019A3PS0419G)

Student write-up

Short summary of work done: The project was on designing, improving, implementing unique and basic features for the e-commerce website of the organization Farmer's pride to increase the company's sales. Being a part of the frontend team, I was involved in upgrading the website both visually and technically, ultimately leading to more people visiting the website and order products with seamless experience. Improving the loading time and making new web pages for other promotional events of the organization was also part of the work.

PS-I experience: It was great experience overall. The mentors are friendly and prompt in responding to queries. My teammates were also very helpful and we had various meets to teach the concepts to each other, which felt tough at first glance.

Learning outcome: I learnt about various technologies related to frontend, which include HTML, CSS and Bootstrap. I also gained some knowledge about PHP and GitHub. The group discussions and presentations helped me enhance my communication skills. I also learnt the value of timely updates and how to interact with an organization in a professional way.

Name: MANUROOP SINGH GILL (2019B4A40799G)

Student write-up

Short summary of work done: I was part of the frontend team, so most of my work was in HTML and CSS which was that of designing and adding stuff into new pages made. Designing the timeline in our journey page of the website might be the best thing that I did with my fellow members. Adding content and designing the look under blogs in tabs COVID-19 and our blogs. Removing recipes and services tab from nav bar. Adding quality control page under overview which shows the need of certifications. Adding and designing different pages under events like Golf Championships, Promotions, Trainings, Internships. Adding a gallery under individual events in Golf Championships. Adding an our news page under overview were some of the works that I did.

PS-I experience: PS-1 being the first professional working experience felt quite like home. The faculty and the company mentors were really helpful and made doing every work, assignment, quiz, presentations, easy. They were extremely considerate and easy to approach with any problem that came up. Considering the work done by me since the start of the PS, there was lot to learn from the company mentor and from fellow members.

Learning outcome: I learnt frontend components of HTML, CSS and Javascript. I also learnt the use Git and GitHub, xaamp and great learning in professional interpersonal commmunication skills.

Name: ARUNDHATI GHOSE (2019B4PS1031H)

Student write-up

Short summary of work done: Created forms using HTML and CSS, learnt some PHP and used libraries like bootstrap to add forms to the admin panel of the company website. Data entry work for entering products and product details into different website for selling products online.

PS-I experience: Company had very helpful mentors. They created startup and were quite enthusiastic. It had positive influence.

Learning outcome: Learnt how to use basic markup languages, PHP and used libraries (Bootstrap).

Name: PARIKSHIT SHARMA (2019B4TS1267P)

Student write-up

Short summary of work done: The company had an e-commerce website, "https://farmerspride.in/" our work was to improve and upgrade it. I, along with my team, worked on both the frontend and backend of the website. The company's web developer was very cooperative and helpful. A few days of the first week were given to understand the company and its team. Then, we had daily meetings with the company founder and director for suggestions to improve their website. We visited many e-commerce and organic farming website for sales and content improvements, respectively. Then our actual work started on their website. All our work was in small teams. We created many new pages for the website and re-designed the existing pages. Some of their pages were static, and most of the pages were dynamic. The team controlled dynamic pages from their admin panel. Along with the main website, we worked on their admin panel and database. We implemented many new features on the website. Our work really helped the company. The looks, user experience, speed, functionality of the website improved a lot. A record-breaking number of users visited their website in 15 days time period.

PS-I experience: In short, my PS-I experience was superb. My team and PS instructor were very coordinating. The company members were supportive. We were free to reach them any time and ask for any help from their side.

Learning outcome: Working in groups on the same task taught me teamwork and coordination. Working for company gave me new experience to know the industry. Along with that, the evaluative components conducted by PS faculty taught many soft skills. Moreover, I used many languages and technologies in the project. Co-deigniter and XAMPP to run the website. HTML, CSS, Bootstrap, and JavaScript for frontend. MySQL for database management. PHP for backend. GitHub for collaboration. Low code platforms like Nicepage for wireframes.

Name: TANMAY SINGHAL (2019B5A40779P)

Student write-up

Short summary of work done: Designed various features particular to frontend using HTML, CSS and JavaScript, and upgraded already existing features. We used to have meet with company's officials everyday and gave our suggestions to improve the site. Discussing work when stuck with our fellow members was routine job.

PS-I experience: It was like roller costar ride, sometimes it was very comfortable and sometimes it felt very strenuous. Overall, it was always thrilling to work and learn new things.

Learning outcome: I learnt about various tech frames and the scope in web development. Apart from technical skills, I learnt various soft skills like how to present our work, also the group discussions with our mentor was a boost in our communication skills. Not need to mention, team work is the most important soft skill that I learnt.

PS-I station: Rebus Research Financial Services (Stratzy) - Business Development, Mumbai

Student

Name: CHAVALY SAI ANIRUDH (2019A4PS0704H)

Student write-up

Short summary of work done: Ad-Hoc business development tasks to increase user base of the app, which was the company's product. This included calling users of the app to take feedback, setting up webinars with Indian Business Schools, answering questions related to investing on platforms like Quora, and so on.

PS-I experience: It was alright. Although, there could have been more work assigned that was relevant to the finance courses at BITS, the work assigned was somewhat along the lines of what I expected it to be.

Learning outcome: I learnt about the internal workings of startup and what it takes to run a wealth management product in the internet age. By speaking to well over 200 people, convincing them to use the app and trying to set up webinars with Indian Business Schools, my communicative ability also improved.

Name: YASH ATAL (2019A5PS1155H)

Student write-up

Short summary of work done: We worked on increasing the conversion rate of the product, which is essentially widening the user base. We also worked on increasing the capital deployed by users into the app. I was given task of finding details regarding NSE subscribed data vendors. I also reached to Management universities like IIM, XLRI and so on, to set up an informative webinar with the Stratzy team and talked about what the company does.

PS-I experience: It was good experience. I was given complete ownership of the task.

Learning outcome: I developed some really good communication skills. Researching skills were also important.

PS-I station: Rebus Research Financial Services (Stratzy) - Marketing, Mumbai

Student

Name: DOTIYA GAURAV SHARAD (2019A3PS0413G)

Student write-up

Short summary of work done: I worked as backend web developer. The tech stack used was MERN (MongoDB, Express, React and NodeJS).

PS-I experience: My overall experience was quite good. The mentors were also very approachable and helpful.

Learning outcome: I learnt about web development.

Name: ARONDEKAR ROHAN SACHIN (2019AAPS0186G)

Student write-up

Short summary of work done: - Created stock insights for publicly listed companies. This required going through annual reports, credit rating reports, industry analysis and other documents to create bite-sized insights for users.
- The second project was related to cryptocurrency research. I surfed the web for existing products in the DeFi space and went through whitepapers of different protocols to come up with roadmap for cryptocurrency product offering.

PS-I experience: Working at startup was definitely new experience and I enjoyed that a lot. The founder was in constant touch and it was great to learn from him as well.

Learning outcome: I better understand how to do fundamental analysis of a company; getting the right bits of information from lengthy annual reports and other documents to analyze a stock. I also read through lot of cryptocurrency projects and it was fascinating to see the innovation happening in the industry.

Name: MEDHAVI RAJVANSHY (2019B3A30588G)

Student write-up

Short summary of work done: I researched stock insights for the application of various industries. I created web scraper using chrome drivers and selenium to scrap data from an infinite website like MoneyControl. I learnt about mirror assets and protocols and did a case study on how terra is using mirror protocoling using band protocols as oracle feeders to help investors invest in foreign stocks, using cryptocurrency tokens as liquidity. My final task was to study some research papers based on stock market returns optimization via different selection approaches.

PS-I experience: My PS - I experience was great. I learnt many new things and it was nice working with my college alumni. They were very helpful and let us choose projects that suited our interests. They helped us with any doubts or problems that we were having.

Learning outcome: My PS -1 experience was very fruitful to my knowledge. I learnt many different things about industries, business cyclicities, cryptocurrencies and backtesting strategies. My experience at Stratzy proved to be more rewarding to my finance knowledge than I had expected.

PS-I station: SAMIL - Finance, Delhi

Student

Name: KURETI YASAS CHANDRAGANDHI (2019B3AA0294H)

Student write-up

Short summary of work done: Analyzed the pre-owned car market and forecasted the demand and supply and the market share for the whole pre-owned segment.

PS-I experience: It was fun knowing about the pre-owned segment and I learnt lot about the automobile industry in India.

Learning outcome: Learnt working with Office365, interacted with the company officials and learnt lot about the functioning of the company.

PS-I station: SAMIL - Market Research, Delhi

Student

Name: PRAKHAR RAI (2019B3A30679H)

Student write-up

Short summary of work done: The aim of my project was to suggest improvements for SAMIL's used commercial vehicle (CV) business model. This was to be done by first learning about CVs (their types, applications, prices), CV industry (Market standing, future growth prospects), leading OEMs (original equipment manufacturers), scrap page policies (pros and cons, timeline), used CV industry (Market standing, benefits of purchasing used CV, methods of disposal of used CV) and auction platforms (types of auctions, method of conducting auctions, leading players in the industry). Later in the project, I had to research on business models of SAMIL's competitors in the used CV business and some auction platforms in developed countries and keeping all of the above in mind I had to suggest improvement for SAMIL's used CV business.

PS-I experience: My PS-1 experience was quite smooth. My industry mentors were very helpful right form the start and maintained contact with me throughout the project. The lectures conducted by industry experts of various fields were quite interesting and helped me broaden my scope for future opportunities. All in all my PS-1 experience was quite fruitful as it helped me learn about applications of what we are taught in courses that I attended.

Learning outcome: I got to know in depth about the auto mobile industry in India, with my focus being on the CV industry. I also got to know about working of auction platforms, in India and abroad. One of the key learning outcome was about business models, as I speculated business models for various companies and therefore understood the importance and use of business models. PS-1 also helped me develop my interpersonal and presentation skills, as I had to give presentations to my industry mentors quite frequently.

PS-I station: SAMIL - Vehicle Recommendation System, Delhi

Student

Name: ATHARVA SINGH SENGAR (2019A8PS0632G)

Student write-up

Short summary of work done: I worked on case study of ThePriceX in which I did data wrangling using Python, ML model development, digital marketing using SEO and market analysis.

PS-I experience: It was great experience and industry mentor was very supportive. Regular meets were held and proper guidance was given. Overall great experience.

Learning outcome: Python programing language, ML model devolopment, Digital marketing using SEO and Advance Excel.

Name: MANDAWGADE AYUSH JAYDEEP (2019A8PS1359H)

Student write-up

Short summary of work done: Our main goal of the project was to develop a price prediction system using machine learning. Initially, our work included data science. We did data wrangling, data cleaning, exploratory data analysis and data pre-processing. Following that, we did feature selection and developed various machine learning regression models on our data. In last two weeks of our project, we learnt and applied digital marketing techniques to improve the reach of our product and did market analysis of pre-owned automotive industry.

PS-I experience: It was nice. Mentor was very helpful. We had meeting 6 days in week which was plus point with respect to other PS stations.

Learning outcome: I learnt data wrangling, some basic machine learning algorithms, feature selection and basics of search engine optimization.

PS-I station: ScoVelo Consulting - App/AR/VR, Chennai

Student

Name: ROHIT KANNA KASHI (2019A7PS1114P)

Student write-up

Short summary of work done: I worked on two projects.
The first project was building a web scraper and email Validator. I implemented a web scraper using Python and its associated libraries, (mainly BeautifulSoup and Selenium) that goes to job aggregator website, and extracts a bunch of details specified by the company, like CEO names, company names, domain name, etc. Next, I concatenated the CEO name and the domain name in several ways to get list of emails that are syntactically valid. This was inputted to the email validator that we built on Python and JavaScript, to check which emails are in existence. This final list of emails was stored so that the company can use it for marketing.
The next project was to build a website analysis tool. This tool would go to competitor websites that receive high amount of traffic and extract certain details so that we can analyse why they get lot of traffic. Some details that we extracted from the site included the list of sub urls, title, information present in heading tags, images and keywords. This information, along with the calculated keyword density was stored so that the client knows what to add / remove from their own website. We built this tool using Python and Selenium.

PS-I experience: The overall PS-1 experience was quite enjoyable. I learnt whole set of new skills, both technical and interpersonal. Both the company, and the faculty-in-charge were very accommodating, and guided us wherever necessary.

Learning outcome: There were various learning outcomes. Broadly, I learnt how sales company operates and various methods of digital marketing.

From a technical standpoint, I learnt Python from scratch, and learnt how to write automated scripts. I learnt the basics of networking in order to build an email validator. Through the talks organized both by the PS CSIS department, and the company itself, I learnt the best practices for software development.

From a soft skills standpoint, I learnt how to communicate effectively and work with others in a team.

Name: N. PAREEKSHITH ACHAR (2019A8PS1101G)

Student write-up

Short summary of work done: 1) Webscaper and Email validator-I worked on a project of web scraping for company CEO names, domain names and then validating them using an email validator that we built. First, we scrape the target website and extract all the company domain names, we then get the CEO's first name and last name and add them to a CSV file. After this, we test out various combinations of these names@domain.com and then use an email validator which we built to see which ones are legit emails. These emails are then uploaded to a CSV file and then the team can use it for marketing.

2) Web analyser - The second project that we worked on is to analyse websites completely (all the URLs, H1 tags, Meta tags, etc) and see why certain page is doing so well on google search page (SERP). We analyze various keywords present on a page, this gives us good grip on what pages we are missing. These pages and the required keywords can then be added to our website / client website to keep up with the competing websites. In order to do this, we used Python as our main language along with beautiful soup and regular expression libraries. We extracted the URLs from the website site map and then proceeded to extract H1, H2, meta tags for each of those URLs along with all the text content of the website. We then did keyword analysis and gave the output in an excel file.

PS-I experience: PS was definetly learning experience for me personally. Keeping regular goals for the day and to actually complete them helped me come out of this PS as much more organised person. I also got the opportunity to see how the industry worked and got more insight to the problems and difficulties of the tech world. The whole process was smooth from both BITS side and the station side with everyone doing their work on time and doing what they were expected to. To conclude, this was an overall pleasant experience and quite a memorable one.

Learning outcome: 1) Maintaining a diary - We were asked to submit diaries everyweek to keep a log of our activities regularly. This has really helped me be more organised in dividing work and also plan my upcoming days and set goals and deadlines for myself. This skill of diary keeping has helped me lot and I plan to continue doing so in the upcoming semester.

2) Searching online for solutions to already existing problems - In order to be a good software engineer, we should also be able to filter out solutions from the internet for a particular problem we face.Throughout this project, I faced numerous scenarios which needed me to search online for solutions and then reuse a modified version of the code to make my code running.

3) Python / JavaScript - I basically became much more confident in my Python skills and the use of various libraries like beautiful soup, selenium. I also learnt lot of JavaScript that will definetly help me in my future endeavours.

Name: GOVIND BALASUBRAHMANIAN (2019AAPS0476G)

Student write-up

Short summary of work done: There were two projects. The first one was to extract company details from some websites, collect founders' name by automating searches and validation of email addresses. This was done using Python with the help of libraries like Beautiful Soup and Selenium used for web scraping. The second project was 'website analysis'. It involved extraction and analysis of useful information like URLs, page headings and title, image filename and alt text, keywords and keyword density from webpages. This was also done using web scraping tools with Python.

PS-I experience: PS1 was nice learning experience. The company mentors and the allotted faculty were very cooperative. The company mentors provided adequate study material and were available for project related doubts. They also conducted meetings with successful people in the software industry who shared their experience with us. The evaluative components were conducted timely and required feedback was given.

Learning outcome: I acquired many technical and non-technical skills during PS1. I honed my skills in Python and HTML. I learnt web scraping from scratch. This includes the usage of Python libraries like Beautiful Soup and Selenium. I also got an introduction to digital marketing practices.

PS-I station: STEM4ALL - Mathematics, USA

Student

Name: BHARGAV KISHOR KULKARNI (2019A7PS1008G)

Student write-up

Short summary of work done: I created content and taught 2 week long summer camps for 3rd to 5th grade students. I taught 2 camps: Introduction to Python and Virtual Robotics along with another station mate. We created slides, decided the syllabus and made projects for the students to work on during the camp. We then taught the kids by ourselves during the camp.

PS-I experience: My experience was very satisfying. I was the happiest when a parent of one of the students personally thanked me after the camp. The mentor was very nice and supportive.

Learning outcome: I learnt how to create syllabus and then teach and adapt it during the class. I also understood the lengths to which professors went to teach us in lectures.

PS-I station: Suzlon Energy - Branding Campaigns and Strategy, Pune

Student

Name: SHASHWATH. M . S. (2019A4PS0523P)

Student write-up

Short summary of work done: Our job was to first understand what KPI's are, how to define them and why they are so widely used. We then had to find 30 KPI'S that we thought were relevant for the company.

PS-I experience: The first few weeks were spent learning about the PS station and our allotted project. We then spent couple of weeks to understand KPI's better so as to tackle the problem statement effectively. We then made an issue tree to cover all issues under the problem statement efficiently. The next couple of weeks were spent on finding KPI's. While the last week was spent on collating all the KPI'S found and filtering them. Overall, it was great experience as we understood KPI'S in great detail. As KPI'S are widely used in the corporate world, this was good value addition to us.

Learning outcome: We understood KPI'S in great detail. As KPI'S are widely used in the corporate world, this was good value addition to us. Along with this, I also learnt how to work as team, meet deadlines, manage my time effectively.

Name: BHANUPRATAP BHARDWAJ (2019A4PS0723G)

Student write-up

Short summary of work done: I was summer intern at Suzlon's branding and strategy division. Our work involved preparation of slide decks for various stakeholders, researching about the product portfolio and working on marketing strategies for the firm. Additionally, we also learnt about working and functioning of the Human Resource Department. I got to explore about the work of HRD and the software available in the market that can help ease and speed up their work. I also analysed the reviews given by the employees of the company on AmbitionBox and Glassdoor, using lexical analysis and sentiment analysis.

PS-I experience: It was good learning experience, and an insightful glimpse into the corporate world.

Learning outcome: Some tangible learning outcomes were definitely the improvement of MS Excel and MS PowerPoint skills. Other than that, bit of data mining as well. Also, learnt bit about the corporate culture at India-based organisations.

Name: SHAURYA BANERJEE (2019ABPS1056P)

Student write-up

Short summary of work done: Researched and created a detailed study on culture transformation, what it entails, along with case studies on successful and unsuccessful instances of implementing a culture transformation in small, medium and large sized organizations, as part of the first assignment. The 2nd assignment of the project involved formulating an Employee Engagement Touchpoint Roadmap, which would help Suzlon communicate effectively about its culture transformation to its employees. The only constraint was that the solutions had to be implementable within a year since roll out. To ensure that the entire process of culture transformation was smooth and tailor made for each employee, I divided all the employees firstly on the basis of tenure of work at Suzlon (i.e. new recruits, employees with moderate experience and employees at managerial levels) and secondly on the basis of mode of work (i.e. work from office / home or on-site employees) and provided solutions specific to these communication categories. In addition, gave an estimate of how much time would be required for implementing each solution, while also factoring in financial constraints for the said solutions.

PS-I experience: Being an engineering student, it was initially challenging to work in this different field of suggesting solutions for an employee engagement problem. However with sufficient research and help from my mentor, it turned out to be really enriching experience. Although, my faculty mentor helped out with each and every difficulty I faced, it was initially difficult communicating with our industry mentor to get project to my liking, in line with my skill set. However, showing interest and enthusiasm towards any work, I was presented with and going the extra mile in each of them, helped me in ultimately working at project to my liking.

Learning outcome: Learnt about how big corporations like Suzlon work, about its take on ensuring employee engagement due to their philosophy of it in turn manifesting in the customer experience. Also, learnt about how several concepts from courses like Operations Management and Lean Manufacturing can also be used in other fields. Learnt how to provide solutions to problems by brainstorming and analysing the AS-IS situation while also factoring in time and budget constraints.

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Name: ADARSH GOYAL (2019B3AA0227G)

Student write-up

Short summary of work done: So at Suzlon Energy, we were given an assignment on cultural Ttransformation in which we had to prepare case studies of successes and failures of few companies in Indian market. Another assignment was on creating Employee Engagement Touch-point Roadmap that will entail all the activities that we think should be done over a period of year (or more) that will ensure smooth transition of Suzlon's culture from previous to new. We also used and created communication categories on the basis of tenure and mode of working.

PS-I experience: It was an enjoyable and educative experience where we learnt lot and explored lot of things. Being in a work from home environment, what are the difficulties people faced in a job and many other things that I experienced for the first time. So, it was good and challenging experience.

Learning outcome: I learnt lot from this internship and it was great experience. I learnt how Human Resources Department works in teams. Also, we had various seminars, meetings, presentations and group discussions with the industry and faculty mentor which helped us to improve our communication and presentation skills. I also learnt some interpersonal skills like team work, taking initiative in a group to do the work, leadership and distribution of work as we had done the project in a group. So, it was an enjoyable, educative and challenging experience.

Name: N. KARTHIKEYA KOUSHIK (2019B5A40617G)

Student write-up

Short summary of work done: I worked on project management and manpower deployment for a project, which was in the erection and commissioning of Windmills, I used various tools and techniques of project management to plan the project. We prepared an activity schedule based on the work breakdown structure of the project which goes right from land acquisition to power evacuation. Using techniques like critical path method, we prepared a month by month schedule so as to finish the project within the expected time and at the minimal costs considering the delays which might occur. After this, we worked on manpower deployment by coming up with the number of teams and

employees required during different phases of the project, so as to balance the costs and also the timeline of the project, After this, we researched and came up with the different risks which might be associated with the project by using risk assessment techniques and sorted them based on the severity.

PS-I experience: The PS-1 experience was quite good, getting to know about SUZLON, the work culture and their operations was fun, the work given too was interesting, all the sessions by different industry experts too were useful.

Learning outcome: I got to explore project management and learnt about different techniques involved and the importance of planning projects and also learnt about different process involved in commissioning a windmill and also about risk assessment.

PS-I station: Suzlon Foundation - Documentation and Analysis, Pune

Student

Name: PULKIT SAINI (2019B1A10844P)

Student write-up

Short summary of work done: The basic objective of the project was to formally document and state all the data for the activities that are undergoing by the different state CSR units of the Suzlon Foundation. Each state had different VDC's and the project was to formally document a report for every VDC regarding work done by them in the recent years.

PS-I experience: I was assigned to complete documentation part of the different village development committees and tabulate different data regarding the work done, profits generated, income generated and other information by the VDC's in the recent quarter. I had to interact with state managers of different states and search for data in different documents and arrange it in a phased manner in a word document file. Later, I was also given a project to formulate a business plan that would help VDC's to generate more profit. This project helped me to know about corporate projects and how to interact with people while working on a single project.

Learning outcome: Learnt to work in corporate projects with different people and through business plan I came to know how CSR units of corporate works.

Name: MUDIT PITHI (2019B2A11009P)

Student write-up

Short summary of work done: I worked on 3 projects:
1) Employee Involvement Report: In this project, I have to prepare employee involvement report for the year 2020-21. It basically involves participation of employees in CSR activities and contributions made by them. So, I prepared the template of report and sorted and filtered the data given to me by my manager and created graphs and charts. I also conducted surveys and took interviews of employees for employee feedback.
2) IB- C2C Performance Report: In this project, I analyzed the performance of employees participating in CSR activities and created tables and graphs and put all the results in the ppt.
3) Positive Case Analysis File: In this project, I updated employee code and employee email id in the file manually. It was basically used to keep a track record of all newly joined and old employees in the company.

PS-I experience: It was a good experience. I got experience to work in an industry and interacted with lot of people. I also improved my soft skills and learnt some tech stuff.

Learning outcome: I learnt many things like how to edit ppts, prepare graphs, charts and how to compile, sort and filter the data. I also interviewed people and improved my soft skills and also learnt about various CSR activities conducted at Suzlon and learnt about participation of employees in CSR activities and contributions made by them.

Name: KUNAL MALL (2019B4A40431P)

Student write-up

Short summary of work done: My project was based on collection of data and its documentation in a phased manner. I contacted state managers for the specific data of each VDC-IGA of their respective states. The data is processed and analyzed and I documented the relevant information in a more professional and efficient way.

PS-I experience: Really different from what I had expected before joining the company but it sure was worth the while.

Learning outcome: I learnt lot about the Suzlon group and their CSR initiatives to help rural part of India. I learnt to work as a team and the project was helpful in contacting various state managers and getting to know about various CSR's income generating activities.

PS-I station: Swami Vivekanand Gujarat Rajya Yuva Board - Research, Policy and Copywriting, Ahmedabad

Student

Name: UPPALA KEERTHANA (2019B4A20835H)

Student write-up

Short summary of work done: Swami Vivekanand Gujarat State Yuva Board (SVGRYB) works under the Sports, Youth and Cultural activities Department, Government of Gujarat. The PS-1 program started with the introduction of the organization mentor, PS-1 faculty, and the students. The duration of the internship (PS-1) was around eight weeks. Each week we were given some generalized tasks, which were further divided into specific tasks. Some tasks were individual and while the others were group-based. We have created posts on diverse topics such as international yoga day, aerobics, boxing, chess, badminton, meditation, musical instruments, olympics and personalities of Gujarat for the social media handles (Facebook, Instagram, Twitter, Pinterest) of the organization, made a video on "Impact of social media "for their YouTube channel, written around ten articles for the samvedhna magazine, created a document that contains the comprehensive explanation on policy, youth policy and also answers some of the questions like What is policymaking process?, Why are many policies being drafted and implemented?, Are policies effective?, What is the role of execution and the importance of data for a policy?.

Gujarat State Youth Policy 2060 is a project undertaken by SVGRYB, all of us have read various states, countries youth policies and National Youth Policy aka NYP 2014 of India and researched the current status of Gujarat on multiple areas like education, entrepreneurship, law, health, skills and development, sports, youth engagement and youth politics and governance, etc. and finally came up with a complete draft of Gujarat State Youth Policy.

PS-I experience: During these two months, I got an opportunity to showcase my talent and skills. The work given by the organization was dynamic; each one of us was allowed to carry out different tasks. The weekly constructive feedback kept us on track and grew eventually. It gives a sense of satisfaction as our work helped the organization and us grow together. We all were delighted when our works were posted and published in their social media handles and magazines. The tasks were so well organized, we were given the freedom to choose the topics and make changes.

Learning outcome: Working with the organization has helped me in overall development in communication, team building and policy development. I learnt the importance of leadership qualities and also the continuous evaluations through assignments, group discussions, seminars and report writing helped in sharpen writing skills, research skills, soft skills, improvise spontaneous thinking and answering, get to know each other and our thought process.

Name: UDAY MITTAL (2019B4A70662P)

Student write-up

Short summary of work done: Made content for social media. Arranged a small talk video for youtube. Wrote articles for the monthly magazine of the organization. Made a dummy draft of the youth policy of the state of gujarat.

PS-I experience: It was very nice.

Learning outcome: Learnt content creation, policy framing, article writing and some tools like canva.

PS-I station: Tamil Nadu Startup & Innovation Mission - Strategy Consulting, Chennai

Student

Name: B. RAMCHARAN (2019B2A41079G)

Student write-up

Short summary of work done: Researched about Tamil Nadu startup ecosystem and made a presentation of the same. Called around 50 startups in order to onboard them onto the website so that they could avail benefits. Scraped data of around 8000 Tamil Nadu startups which were present on startupIndia but not startupTN as registering in startupTN would give additional benefits. Verified and updated the data. This includes updating their activity, their industry sectors, websites, etc. A/B testing of user flow in the web portal was done. Research on marketing methods and made presentation on what the effective marketing methods would be.

PS-I experience: Informative, learnt about the TN startup ecosystem and about startups. Also learnt about marketing as marketing is important in order to onboard clients.

Learning outcome: Learnt about webscrapers as automation helps makes the process of data mapping a lot easier. Communication skills were developed as it is essential to clearly communicate the value of the product to the customer. Learnt about different marketing methods which are very effective (eg - Instagram, Facebook, emails, etc.).

Name: INAVOLU MANOJ (2019B3A40511H)

Student write-up

Short summary of work done: As a member in an organization like startup TN, i.e. working under government body, I have known how it creates a gateway and a platform

to connect various stakeholders of the country. This will create large impact on developing and building a strong ecosystem in the state Tamil Nadu as well as India. Being part of conducting sensitization workshops, me and my mentor Mr. Sai (CEO of Nation design business incubator) have decided to get the best possible outcomes by creating awareness among the Government officials. I had worked on various sectors including IT, Agriculture, Rural, Health etc... I have known what are the best practices made by startups to help the country in-terms of the above sectors. I came to know how different type of revolutionary ideas developed by startups created an incredible impact in finding solutions to the contemporary problems in the society. I know how various unicorns have started their journey and how they became significant by the support and respect given by the people to their fantastic ideas. Some of the major startups I have done research on are Pharmeasy, Cure fit, Stellaps, Waycool, Staqu, Niramai and lot more. My work includes doing lot of research on startup ecosystem by gathering lot of info of the worlds major startups which includes their whole journey (from developing idea to become unicorn). Finally, I made presentations for the Government officials and tried our best to create awareness among the players of the country, so that they can know the ideas and innovations developed by young entrepreneurs where they can leverage the benefits and solutions developed by them to the terrible problems in the society.

PS-I experience: Initially, I have prior knowledge about how startup works and what is their motto and vision. But today, I have been involved in the process of the life of startups and I came to know a lot. I know what is the process to become a startup and how they prove their ideas worthy and get funding form various sources. With the series of funding they have been recognized by the government as well as people. Due to unique idea created by startups, there are ton of problems solved in our country. Starting from the rural to urban, startups have been lifetime friend for everybody as they solve various problems pertaining to various sectors. My learning includes researching about major startups in various sectors, how they started, what they do, what is the idea, funding and how are they helping people and government in solving pressing issues of the society.

Learning outcome: Throughout my journey working for the organization, I felt very productive in-terms of learning about the startup ecosystem in the country. My project attracts somebody who wants to become an entrepreneur in his life. Due to this type of environment created by startup TN, one can know the process and steps of what to be done after forming an idea / prototype of their model. They can know what are the regulation's and policies by the government given to startups. Finally, by doing research on the startups, one can explore wonderful and major startup stories about how they emerged, helping and attracted by the entire country and can take it as an inspiration for their career.

Name: SEELAM PRUDHVI RAJ DATTA (2019B4A41061H)

Student write-up

Short summary of work done: Onboarding of startups onto the website, extracting, verifying and analyzing the data from website (web scrapping), made presentations on marketing strategies and methods.

PS-I experience: It was good experience to work in an organization and also making presentations improved my presentations skills.

Learning outcome: I learnt professional and interpersonal skills from my PS-I. Also, the presentations and group discussions added to my communication and presentation skills. As for technical skills, learnt how to scrap website data and analyze it.

PS-I station: TDF The Diamond Factory (I) Pvt. Ltd., - Business Development, Mumbai

Student

Name: MALANI NEEL AMIT (2019B4A40717P)

Student write-up

Short summary of work done: Business development projects. There were 3 different projects in which I did ratio analysis, suggested SIS buisness model strategies and studied and presented a workflow for an app used by the company, respectively.

PS-I experience: Was a great experience. Was very productive and gained some knowledge of God the industry works.

Learning outcome: Gained communication skills, researching skills, business development ideas and many more soft skills.

PS-I station: Urjanet - Data Analytics, Chennai

Student

Name: PIYUSH TRIPATHI (2019A2PS0833P)

Student write-up

Short summary of work done: In the 2 months of PS-1, me and my team performed dashboard analysis for Urjanet. There were several sessions where the working and structure of the company was explained to us. Following this, we prepared dashboards to analyze the performances of the teams where we took input from the team leads about the amount of work completed on each day via google forms and prepared a table with dropdowns to change dates and TL names according to preference and also the performance of individual employee's by extracting data from six different sheets and made compacted table in Excel by using several formulas like filter, countif, sumif etc.

PS-I experience: It was very good to experience a professional working environment for the first time. The company mentor took updates from us almost daily and responded to our queries and concerns very well.

Learning outcome: I learnt how to work in team and coordinate with different personalities. I also learnt how to use excel efficiently.

Name: ASHUTOSH SHARMA (2019A2PS1012P)

Student write-up

Short summary of work done: My work at Urjanet was to analyse monthly data and come up with the most frequently occurring errors and the second task was to come up with the next expected date of the bill delivery.

PS-I experience: I had nice PS-1 experience, mentor and PS-1 faculty were very supportive and encouraging.

Learning outcome: I had nice experience and learnt working in team and data analysis in excel.

Name: SHRISHTI SINHA (2019B1A80677P)

Student write-up

Short summary of work done: Created automated dashboards using excel. The input data was taken through multiple source sheets corresponding to each customer of Urjanet. These dashboards will be used to analyze data and more importantly in a customized way, for monitoring employee performance and company operations. This will also save lot of time (approx. 1 hour per day) for the company since previously, all the data was being entered manually.

PS-I experience: The overall experience was good, considering this was the first time working in corporate setting, and in an online mode. The people at Urjanet were very helpful, friendly and also encouraging us.

Learning outcome: I learnt advanced Excel concepts to make automated dashboards. Throughout the project, we were tested on our analytical, logical and critical thinking. I was able to hone my presentation skills. This was also great learning experience on how to manage things in a dynamic work environment.

Name: ARYAN VERMA (2019B4A30616P)

Student write-up

Short summary of work done: Automate data collection and manipulation using Python script and create a command line application for the same.

PS-I experience: PS experience was decent. Got to learn a lot from my project as well as my mentor. The work culture was good.

Learning outcome: I learnt how to write scalable Python scripts for data analysis.

PS-I station: WEBiROID Technology & Consultancy Services Pvt. Ltd., - Investment Research, Kolkata

Student

Name: CHEKKA AKHIL SAI (2019B3A20570H)

Student write-up

Short summary of work done: The role offered was investment research. Basically, it was to analyze the annual reports of the allotted companies by the industry mentor and prepare mini report to the companies. P&L, BS, cash flow, financial ratios, management talk, company's latest decisions, all these were to be analyzed and the final report must consist all the important points regarding the company whether it is good or not to invest. Other project was to prepare report on any one scam and main outcome was to understand how people get scammed and how scammers take leverage of the prevailing situations in the society.

PS-I experience: It was ok, I learnt many things in these 2 months of PS-1. Overall, it was good experience.

Learning outcome: I learnt how to analyze the annual reports of the company and understand the parameters affecting the financials of company. I learnt few things on my own from different sources which are related to the PS-1 work.

Name: CHEERLA VENKAT RAGHAVAN (2019B3A40553H)

Student write-up

Short summary of work done: Basically, we have done financial analysis of various companies within similar sector mainly focused on fundamental and tech analysis.

PS-I experience: Good learning experience.

Learning outcome: We learnt many topics related to finance which even increased the interest towards finance.

PS-I station: William O Neil - Data Analytics, Bangalore

Student

Name: DHRUV GUPTA (2019B3A70487H)

Student write-up

Short summary of work done: I worked with the marketing team. The project given to me was revenue analysis and projection. I was given the historical data of the company including revenue data, mail data, expenditure data, offers data, etc. My job was to filter through the data and to find meaningful patterns and correlations between different factors that affected the revenue of the company. I used Excel extensively to visualize and analyze the data.

PS-I experience: I got to see real life data and did analysis that would be helpful to the company in future. My mentor was very helpful and collaborative. We discussed our progress and issues from time to time. I got some good results and also received very positive feedback from my mentor. Lastly, I had to make PPT of the findings which would be shown to the upper management of the company. I also did some voiceovers for the marketing videos. Overall, it was great learning experience.

Learning outcome: Improved communication, improved analytical and excel skills. Got to learn about stock market and trading.

Name: DHRUV RAWAT (2019B3A70537P)

Student write-up

Short summary of work done: - Data Mining: Mining URLs of stock-market related articles by developing Python scripts.
- Video transcription: Developing scripts to automatically transcript YouTube videos.
- Data Research: Researching & studying about various real-time events which may cause fluctuations in stock prices.

PS-I experience: It was okay.

Learning outcome: Learnt more about the FinTech sector.

Name: ANAND (2019B3A70613H)

Student write-up

Short summary of work done: In the first two weeks of my PS, I was allocated as competitor analyst where I was given the task to do market analysis of various competitors

of MarketSmith India. Then for the next one month, I worked in the salesforce team where we have to do Mapping of usage data (Humana and AETNA PEK company) to the salesforce system. In the last few weeks, I worked in the market research team who were working on developing an algorithm that suggests investment strategies for investors according to their risk profile.

PS-I experience: PS-1 was good experience for me, our industry mentors were very helpful and understanding. We were constantly guided, assisted and always had some or other work to do. It was good learning for us.

Learning outcome: I got nice exposure to the finance industry and its functioning. Learnt about various investment opportunities, improved my trading skills, learnt about various trading strategies used by investment companies, CANSLIM trading strategy, trading chart patterns, got good exposure to data analytics and various techniques associated with it.

Name: LANKE SARVESH SUHAS (2019B3A71028H)

Student write-up

Short summary of work done: I learnt Search Engine Optimization to improve MarketSmith India's website and app rankings. I also used SQL querying to analyze big data and write its logic in confluence. I used PivotTables to collate company invoices and sales of products. My last project was to analyze the myriad investment options in the Indian markets. I also devised the workings of an algorithm that suggests the best investment strategy to an investor based on his risk profiling.

PS-I experience: It was wonderful experience working on multiple projects under different departments. I learnt how to collaborate with peers and how to manage my tasks efficiently.

Learning outcome: I had massive improvement in technical skills such as SEO, SQL, PivotTables for Excel, Python etc. I also picked up on soft skills that will help me in my future.

PS-I station: Xarvis Intelligent Systems Lab Pvt. Ltd., - Non-Tech, Pune

Student

Name: PARISHREE AGARWAL (2019A1PS0720P)

Student write-up

Short summary of work done: Xarvis works with vision to democratize AI-based software development. Xarvis is looking for students for their platform (a platform which would help people with business ideas develop those ideas even if they don't have the technical skills) who can analyze complex problems and come up with the best possible solution. They are engaging students to develop the products and release them to the market. For the next 2 years, we are actively investing in students to become next-generation entrepreneurs. Xarvis is working on launching their platform soon and they are going to work with various students from colleges across India on building on their business ideas. Xarvis is engaging students to develop the products and release them to the market. The domain of our project was market research. Our main aim was to reach out to colleges across the country and introduce Xarvis to them. We began by collecting information about these colleges from their websites and reached out to their training and placement officers.

PS-I experience: PS-1 experience was good. This exposure helped me in understanding how organizations function and how working in an professional workplace feels like.

Learning outcome: Through the work done for creating this project, I was able to learn about significant number of aspects regarding market research. Listing down the major learnings,
1. Understood the process of data collection, storage and analysis.
2. Learnt how to work in an professional workplace.
3. Since our project involved calling as well, it helped me in improving my communication skills as well.

Student write-up

Short summary of work done: Xarvis is engaging students to develop the products and release them to the market. The main aim of this project is to reach out to colleges across the nation and introduce them to Xarvis. Since, Xarvis would be working with the students of these colleges in the future, we have to make sure that these colleges are onboard this agreement. Our work is to collect the information regarding the training and placement processes of various colleges via training and placement officers. We have to introduce Xarvis to these colleges and make sure that they want to collaborate with Xarvis.

PS-I experience: We used to collect data from different websites, emails and by calling TPOs of different colleges and then upload them on Gitlab for future use of Xarvis.

Learning outcome: We learnt about many soft skills - Interpersonal skills, oral communication skills, analytical and numerical skills, accuracy and attention to detail. Creativity and problem-solving skills, teamwork and negotiation skills. We also learnt about advanced features of Gitlab.