

My Profile

2021

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10/09/2021

IIT: Introduction to Information Technology
Assignment 1



Introduction

Parth Kulkarni is my name. I was born in Pune, Maharashtra, India, and migrated to Australia when I was 2.5 years old. One thing you may not know about me is that I enjoy finding and exploring new hiking spots, as well as watching Formula One races. I also love playing Cricket on the weekend for my Local Cricket Club. Please email me at S374358@student.rmit.edu.au if you want to communicate with me.

My Interest In IT

What is your interest in IT? When did your interest in IT start?

My interest in IT started when I was very young. I used to fiddle around with different kinds of electronics whilst I was at home. At the time my father used to work in Information Technology, and he used to bring home all sorts of technology, so I used to dive right in and get familiar with it. Another reason as to why I got into IT as well would have to be because of the famous British comedy show The IT Crowd.

What is my interest in IT?

From educating my grandparents to being educated by my father, my interest in IT began when I was very young. All things linked to hardware and the inner workings of various gadgets are one of my primary interests in IT. Once upon a time, I discovered that we had a Desktop that had abruptly ceased operating. We had to start dismantling the chassis and the screws that held it all together to figure out what was wrong. We discovered that the error code we were getting was related to the hard disc. My father showed me how to remove it and replace it with a new hard drive, and then we reassembled everything and had a completely functional computer again. Having done that made me want to dive deeper and deeper into new technologies and hardware and how they work.

My IT Experience

For the last six years, I've worked in numerous jobs in technology after graduating from high school. I began my first one by working for a mobile phone repair firm. This job entailed becoming increasingly familiar with the inner workings of Samsung, Apple, and the numerous other telecommunications firms that exist today.

Why did I choose to study at RMIT?

I chose to study at RMIT because my mother had done her Bachelor of Computer Science a couple of years ago. I still remember the late nights and me watching her do her work. This got me thinking as well, even I can go to RMIT and do the same and achieve something beneficial for my future. I had also heard good things about RMIT from a lot of family friends.

What do I expect to learn during your studies?

Whilst studying at RMIT I believe I will gain a better understanding of how Information Technology works in the macro and microenvironment, How Information Technology can be integrated within our everyday lives, how it is effectively managed and lastly how does it have a positive and negative impact on our lives.



My Ideal Job

<https://www.seek.com.au/job/53599360?type=promoted#searchRequestToken=fd55116f-2e9e-4589-9fe1-6ddd15e5a712>

My ideal job would be to work as an IT Systems and Support Manager. The job description may be found by clicking on the link below. On the next page, you'll also find an overview of the job description. Because information technology is now widely utilized worldwide, finding a job is still difficult; nevertheless, you may work in IT in any business.

This work necessitates not just important parts of developing a connection with clients, but also your understanding of most systems that exist in today's ever-changing globe. Second, when offering this service to our clients, we must understand the significance of completing projects on time, whether it is the suggested or desired date. This helps us to develop rapport with our clients, which is crucial, as I have previously stated.

We must also bear in mind that we must provide these projects and services in a cost-effective way across the organization. To put it another way, if a project costs \$1 million and the scope of the project or service is not reached, we need to reassess. Where can we save money? How can we save the client's needs while still trying to save the compromise of quality and quantity?

While reading this, we must bear in mind the skills we need to develop. To succeed in obtaining the role, I believe that time management, managerial talents, and customer relationship management skills are necessary.

I'd obtain these by completing a bachelor's degree in information technology, which would provide you a good foundation to build on. Second, I would enroll in short management courses such as PRINCE and PRINCE2, which would allow me to broaden my skills. We also need a complete driver's license, which I already have for one of the abilities because I got it when I was younger.

Finally, depending on how high or low the importance of the task is, we must know how to prioritize tasks depending on how important the task is.

Overview

The National Trust is the largest community based, not-for-profit conservation organisation in Australia, operating for more than 75 years. Our vision is to bring the heritage of New South Wales to life for future generations. We achieve this by advocating, conserving and protecting our built, cultural and natural heritage and by educating and engaging the community through the sharing and interpretation of all Australian heritage stories in ways that awaken a sense of place and belonging.

The National Trust is seeking a highly proficient and effective Manager IT Systems and Support to deliver sustainable and efficient technology services to the Trust through:

- Aligning technology to business requirements in a cost-effective fashion.
- Building and enhancing key relationships with suppliers.
- Providing support services across the business.
- Developing and delivering projects in conjunction with the respective business unit.

Demonstrating a high level of IT expertise across a range of platforms, you will be responsible for identifying and acting upon opportunities to improve and update our software and systems. It is critical that you are not only technically competent, but can tailor your communication for a range of stakeholders. The role will work closely with all departments to develop and implement key projects identified in the National Trust Strategic Plan 2020-2024.

About the Role

Reporting directly to the Chief Executive Officer, you will be responsible for:

- Delivering reliable and appropriate information technology, network connection and email capacity to the organisation.
- Undertaking internal communications with staff and volunteers to provide support and guidance tailored to their skill levels.
- Managing and reporting on the allocation of the IT budget.
- Developing and maintaining an IT risk register and undertaking regular assessments and system audits.
- Maintaining and enhancing relationships with managed service providers and software vendors to achieve efficiencies and high-quality service.
- Establishing third party relationships that provide support and assistance to regionally based properties.
- Managing and optimising administrative systems including O365, printers, backup, and security
- Coordinating IT maintenance exercises such as system updates, upgrades, migrations, and outages.
- Identifying and acting upon opportunities to further develop IT capacity in-line with business requirements.
- Developing and implementing IT policy and best practice guides for the organisation.
- Managing the allocation and monitoring of IT resources to staff and volunteers.
- Collaborating with website developers to provide website backend support to National Trust staff across all states.

About you

- You have tertiary qualifications in Information Technology or an equivalent field, and can demonstrate proficiency in building and maintaining relationships with external service providers whilst remaining true to the independence of the Trust
- You are agile enough to shift priorities depending on resource limitations and work scope
- You can work across a diverse stakeholder group, including managing the requirements and priorities of staff and volunteers with tact and diplomacy
- You are an exceptional communicator and can demonstrate success in managing large and small-scale projects, anticipating contingencies and ensuring the sustainability of our systems.
- Ideally, you should also possess a Class C driver's license and have a willingness to travel to our various regional properties from time to time.

Ultimately what makes this a truly special job will be your ability to shape and build the IT systems of this leading NFP Conservation and Advocacy organisation.

For a full position description or any enquiries call: 02 9258 0159 or email hr@nationaltrust.com.au

To apply, submit your CV together with a covering letter addressing the key accountabilities to:

Myer And Briggs Test / Online Style Learning Test

After completing the Myer and Briggs test, I found out that I am an extroverted person a simple explanation is listed below. Please find my profile link below as well

<https://www.16personalities.com/profiles/820c00d679aa2>

“Protagonists (ENFJs) believe they have a higher calling in life. These personality types are thoughtful and idealistic, and they want to have a beneficial impact on others and the world around them. They rarely turn down an opportunity to do the right thing, even when it is difficult.”

Protagonists are natural leaders, which is why so many renowned politicians, coaches, and instructors are protagonists. Their charm and passion enable them to inspire others not only in their occupations, but in all aspects of their lives, including their personal connections. Few things bring Protagonists more delight and gratification than assisting friends and family members in becoming their best selves.”

Below you can see the results of an online style learning test. As you can see the social aspect of this test is one of the most prominent. What this means is, that I as an individual I have no problems striking up a conversation or at least I would be happy to talk to anyone. Which in an Information Technology environment makes it very beneficial when it comes to working on projects or working in a team environment.

Your results

The scores are out of 20 for each style

Style Scores

Visual	19
Social	20
Physical	12
Aural	16
Verbal	16
Solitary	16
Logical	12

My Project Idea - VAMRRA

The VAMRRA (Virtually Aided Muscle Recognition Reconstruction Apparatus) is a physiotherapy and chiropractor-specific tool but can also be used by the person who is affected which they will need to be trained in. When an athlete sustains a sports injury in any discipline, it can be devastating to their ability to continue to enjoy what they are doing.

I am a huge fan of sports and have competed in them for a long time. Why not design an app and a multiple use device that can identify what the potential problem is and how it may be fixed without the client having to wait for x-rays to ascertain what the damage is, instead of spending hundreds of dollars on several appointments?

One of the key reasons for this project's creation and implementation around the world is the large number of people who participate in sports.

In an article written by Pledge Sports there was a recent study undertaken by one of the biggest associations “in the last global census undertaken by the sport’s governing body FIFA, it was estimated that there are 265 million people who play the sport along with more than 5 million referees, which equates to 4% of the world’s population, thus cementing its place atop the list of the world’s most played sports.”

Now having said that there are that many people which only equates for 4%, this is going to lead to my number one point how can we prevent these injuries and how much will it save the organization in medical and treatment costs.

The way that this will be managed will be through to the mobile application which you can access the results at your fingertips. The reason this will be very interesting is because it will be on one central network and can be shared with your personal General practitioner anytime anywhere as it can be accessed offline and online at the same time, they can automatically send it to a specialist for further analysis free of cost.

How Will This Project Work?

The project will be consisting of 4 main components, The Raspberry Pie Module, The One Time Multiple Device (OTMD), the Mobile Application used to access the features of the device and lastly the charging port this will provide battery to the unit and will use a cell battery to power it, however considering that this is in the testing stage it may be upgraded to a recharge module within the raspberry pie module.

You will then be presented with the Oculus Rift virtual headset which will then allow you to pair through to the module and the scanner. Once initiated this will allow the user to see how the damage is looking

The Raspberry Pie module will be the size of a Game Boy Advance allowing it to be carried anywhere and anytime. The size of the scanner will be the size of a USB stick which fits nicely into the provided pouch.

Initially at the purchase of the products there will need to be initial updates installed if there are any.

The OS that will be used on the raspberry pie will be a form of Linux. On this interface you will see the options to run the module which will allow the OTMD to run. Once this has been executed both the application will connect through to the device and prompt the user to follow the instructions on the screen.

The next steps will allow the OTMD to connect through to the Raspberry Pi module and initiate the scan, the device will then need to be run on the athletes affected area usually will take around 2-5 minutes.

The reason why this will take that long is because simultaneously this will allow the image of the damaged area to be seen on the screen as an accessible image to the

Doctor, as mentioned in the application when the user has initially setup the program and the application.

Once the initial scans have been done and have been reviewed by the doctor they can be shared to the physiotherapist and chiropractors as well.

For this project there won't be any skills required as there will easy and simple instructions to understand for any user.

The software that will be written will be user friendly and allow any changes that are required to be reported to our database which then an agent will look at and change on the spot. It will be feasible because there is help 24/7 available and easy to access manuals so if the user gets stuck, they will be allowed to access it anywhere.

I would like to see the project up and running within the next 5 years as the technology can potentially do it and be built as well. I would like for this technology to be accessible at a very affordable price and simple to use.

References

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