**DAILY REPORT**

**28/01/2019**

As a part of my internship , I have gone through an online course that is provided by TCS.

Topics covered:

* Business 4.0
* IT consulting industry
* Digital awareness
* Machine first delivery model-automation trends in industry

**29/01/2019**

Software foundation phase

* Algorithms
* Design principles
* Introduction to operating systems

**30/01/2019**

Software foundation phase 1

* Application overview
* Problem solving approach

**31/01/2019**

Software foundation phase 1

* IT infrastructure foundation
* System software
* Computing environment

**01/02/2019**

Software foundation phase 2

* Introduction to Unix
* Unix command
* Basic filters and pipe

**02/02/2019**

Software foundation phase 2

* Environment variable
* Shell scripting
* Process and job scheduling

**03/02/2019**

* Completed assignments for both phase1 and phase2
* Just started Software foundation phase3

**04/02/2019**

Topic-Shirove communicator

* Meeting with mentor, and got topic

**05/02/2019**

* Started to learn about requirments of an assistive onscreen keyboard

**06/02/2019**

* Refered through various onscreen assistive keyboards such as optikey
* learn each and every keys functionalities and how it works.

**07/02/2019**

* conclude that the existing systems not satisfy almost all the requirements of an MND patient
* Mentor provided some other requirements such as

1. change keyboard color as per users requirement
2. enable speech.
3. Prepare a console for settings.

**08/02/2019**

* Started to familier with Silverlight.
* Started to learn codes of existing systems.
* Use git hub as a guide

**09/02/2019**

* Started new course Software foundation phase3
* Topics covered:

1. IT application overview
2. Problem solving approach

**10/02/2019**

* Started to code for the development of new application Shirove communicator
* Try to understand new requirements
* Work to collect more requirements by interacting with others

**11/02/2019**

Software foundation phase 3

* Introduction to OO,JVM,JDK and eclipse
* Programming assignments

Shirove:

* Started to implement color requirement.

**12/02/2019**

* Both dark and light backgrounds are implemented.
* Started to learn how can implement shirove using webcam instead of other expensive Eyetrackers

**13/02/2019**

Software foundation phase3 part B

* Assignments and final assessments of Phase3 part A completed.
* Just started software foundation phase3 part B

**14/02/2019**

Software foundation phase3 part B

* Started UI module
* HTML 5 and HTML 5 forms

**15/02/2019**

* Tried to understand various webcam applications to use with shirove
* [Enable Viacam](http://eviacam.sourceforge.net/index.php) - free and open source
* [Camera Mouse](http://www.cameramouse.org/) - free
* [Open Gazer](http://www.inference.phy.cam.ac.uk/opengazer/) - free and open source

**16 /02/2019**

* Installed all three applications and came to know that EViacam is much more accurate towards our head movements
* Software foundation phase 3 part B

1. CSS and javascript

**17/02/2019**

* Use EViacam with Shirove
* Learned almost all the functionalities of Eviacam
* Completed handson assignments of HTML

**18/02/2019**

* Finally setup Viacam with Shirove
* Check its accuracy
* Completed handson assignments of CSS

**19/02/2019**

* Tested shirove on various lightning conditions and check it’s performance.
* Completed handson assignments of java script and final assignments of phase3 partB

**20/02/2019**

* Tested shirove application on various computers and assure it’s functionalities
* Started new module User experience

1.User research methods

1. Wireframing

**21/02/2019**

* Prepare user guides for shirove

1.prepare a documentation in word using shirove

2.prepare a slide presentation using shirove

* User Experience

1.Usability

2.Design thinking methodologies.

**22/02/2019**

* User Experience

1.web,mobile and responsive design principles

2.Prototyping

**23/02/2019**

* completed user experience final assessment
* Prepared user manual for shirove

**24/02/2019**

* Working with various application such as email,chrome etc for testing shirove functionalities.
* Completed final assessments of software foundation phase and hackerrank assignments