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| **Course: Engineering Notebook - Daily** | |
| **Engineer: N Krishna Meherwan** | **Date:** 3/11/2019 – 3/12/2019 |

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| **Notes: (Record key insights from videos, web pages, readings, discussions, experiments, and project tasks.)** |

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| **Activity: Activity 1 – Activity 5** | **Start: 3.00PM** | **Stop: 3.30PM** |
| In the above activity we have watched videos regarding the introduction of android studio. In the android studio here we will build a project known as sunshine which basically deals about the weather application. Then we also explore different options in the weather application. While developing the code from android studio we can refer the lines of the code from github it just gives the idea on how to implement it . | | |

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| **Activity: Activity 6 – Activity 10** | **Start: 4.00PM** | **Stop:5.00PM** |
| The project is to develop a weather application and toy application here first we create the application package and it is globally unique. The starter project creates a different number of versions of the project.  Here we need to launch the project and so we need a android emulator. Then after creating a virtual device into the emulator then we need to launch the application. The android is a software stack developed by the Linux kernel and C/C++ and android runtime. There are several layers in the android code by having application layer and application framework. So we defined android application as collection of connected components. There are four types which make the android application and those are activity, service, content provider and broadcast receiver. Activity is the main thing where it interacts with the user and what it can perform.. Typically application looks like a series of activities. | | |

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| **Activity: Activity 11 – Activity 19** | **Start: 10.00AM** | **Stop: 11.30AM** |
| Here we can change the layout of the view where we can see from the android studio by changing into. Then we handle the design by trying different layouts like TV mode and by the use of layout interface we can have responsive interface. The responsive design is main feature in the android design. Android can run in any screens based on responsive design. | | |

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| **Activity20: Group Discussion** | **Start: 11.30AM** | **Stop: 12.00PM** |
| In the group discussion we have discussed about the importance of mobile programming and where it is used in the real time applications. We also expressed our opinions on recent development of the mobile applications and future of the mobile application. | | |

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| **Activity21- Activity30** | **Start: 2.00PM** | **Stop: 4.30PM** |
| Here in this activity we learn about message logging at different levels where it shows the error message as ERROR, WARN, INFO, DEBUG and VERBOSE. Then next we have seen about internet troy application where the link is provided so you can refer. Then we have added a URL to the search bar here after implementing the code and we can get a URL link after searching the given name | | |

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| **Activity31- Activity44** | **Start: 4.30PM** | **Stop: 7.30PM** |
| Here in this activity we have provided the internet connection to andriodmainfest.xml. So we can get directed towards the link. Android application can be divided into number of multiple threads. So android have single thread so it can run all the background functions in single thread. Then next we follow async task which allows you to run a task on a background thread while publishing result to the UI thread. Then we add a scroll view to the task so for the sunshine application we can easily scroll the new things and can see the weather forecast. Finally after changes we have developed the android code for sunshine application by using all functions. | | |

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| **Deliverable Status** | | | |
| **Deliverable** | **What did you actually accomplish** | **Size** | **Effort** |
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| **Lessons Learned Reflection** | |
| **Context (e.g. The gap between plan and actual)** | **Lesson** |