

Schedule for Internship



	Milestone	Status	Start Date	End Date	Days
1	Milestone 1 : Introduction to DevOps	Complete	06/05/17	06/05/17	1
2	What is DevOps, DevOps tools, Agile	Complete	06/05/17		
3	Working Environment in the system	Complete	06/05/17		
4	Overview of the project for internship & the previous project	Complete	06/05/17		
5	Milestone 2 : Getting familiar with the toolsets	Complete	06/06/17	06/07/17	2
6	Intro to jenkins	Complete	06/06/17	06/06/17	
7	Installation of Jenkins on windows	Complete	06/06/17	06/06/17	
8	Overview of Docker & Containers	Complete	06/06/17	06/06/17	
9	Difference b/w Jenkins inside the container & separate Jenkins and docker environment	Complete	06/06/17	06/06/17	
10	Pipelining : Created a basic multi-branch pipeline on GIT	Complete	06/06/17	06/06/17	
11	Migration of Jenkins to CENT OS from windows Installation of Jenkins inside docker container in CENT OS	Complete	06/07/17	06/07/17	
12	Setup the Mattermost	Complete	06/07/17	06/07/17	
13	Configured the proxy settings on all VMs & environment	Complete	06/07/17	06/07/17	
14	Milestone 3 : Docker	Complete	06/08/17	06/09/17	2
15	Complete installation of Docker on Cent OS.	Complete	06/08/17	06/08/17	
16	In-depth study of Docker including the following :	Complete	06/08/17	06/08/17	
17	Containers				
18	Images				
19	Registry				
20	Tool : Docker Machine & Docker Compose				
21	Dockerfile				
22	Docker Engine vs Docker Machine				
23	All Basic Docker commands with functionalities				
24	Proxy configuration in docker containers (old version, new version)	Complete	06/09/17	06/09/17	
25	Setup Jenkins inside the docker container.	Complete	06/09/17	06/09/17	
26	Milestone 4 : Flow of Project Development & Operations	Complete	06/12/17	06/12/17	1
27	Read in detail about Continuous Integration & Continuous Delivery (CI/CD)	Complete	06/12/17	06/12/17	
28	Build Triggers	Complete	06/12/17	06/12/17	
29	Build Tools : Ant, Maven, Gradle Code Coverage Metric : Cobertura	Complete	06/12/17	06/12/17	
30	Overall functioning of the entire integrated system	Complete	06/12/17	06/12/17	
31	Milestone 5 : Research on Data Management in Docker	Complete	06/09/17	06/12/17	2
32	Study about the existing 2 ways : Data Volumes & Data Volumes Container	Complete	06/09/17	06/09/17	

	Milestone	Status	Start Date	End Date	Days
33	Pros & Cons	Complete	06/12/17	06/12/17	
34	Milestone 6 : Starting with the mission implementation	In Progress	06/13/17	06/21/17	6
35	Setup Jenkins : Preserve the plugin configuration & data	In Progress	06/13/17	06/14/17	2
36	Proxy Configuration, Docker Builds, Dockerfile	In Progress	06/13/17	06/14/17	2
37	Communication between containers	Not Started	06/15/17	06/16/17	2
38	Data Management implementation for containers	Not Started	06/20/17	06/21/17	2
39	Milestone 7 : Toyosu Kids Event	In Progress	06/13/17	06/19/17	1
40	Prepare PPT for the Elementry School Kids		06/13/17	06/13/17	1
41	Culture Exchange program in Toyosu Elementary school	Not Started	06/19/17		
42	Lunch with parents and HR Team	Not Started	06/19/17		
43	Milestone 8 : Containerize the applications needed in the environment	Not Started	06/22/17	06/23/17	2
44	Decide which applications should be containerized / why the others shouldn't be	Not Started	06/22/17	06/22/17	1
45	Create docker containers & data volumes for them	Not Started	06/22/17	06/23/17	2
46	Milestone 9 : Mid-term demonstration	Not Started	06/21/17	06/23/17	
47	Milestone 10 : Docker Images	Not Started	06/26/17	06/26/17	2
48	Building docker images & uploading to resgistry / private cloud	Not Started	06/26/17	06/26/17	1
49	Milestone 11 : Testing the environment	Not Started	06/27/17	06/27/17	1
50	Test the entire setup	Not Started			1
51	Milestone 12 : Presentation for J2P	Not Started	07/05/17	07/05/17	1
52	Presentation at the Seminar for Japan-to-Pune (J2P) Training Program participants on July 6				
53	Milestone 13 : Final Presentation	Not Started	07/14/17	07/14/17	1
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