

Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Aug 14th	Week Ending Date	Aug 20th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Resource Allocation Algorithms- Proportional Fairness	Aug 14th	
2	Priority based Allocation	Aug 18th	
3	Supervised Machine Learning - Decision Tree Model	Aug 16th	
In Progress			
#	Tasks	Date	Remarks
1	Weighted Fairness Allocation	Aug 20th	
2	Supervised Machine Learning - Light boost.	Aug 19th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Dynamic Capacity Resource Allocation	Aug 27th	
2	Supervised Machine Learning - Random Forest	Aug 28th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Aug 21st	Week Ending Date	Aug 27th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Weighted Fairness Allocation	Aug 21st	
2	Supervised Machine Learning - Light boost, Random Forest	Aug 22nd	
3	Phase 2 Review 1 PPT	Aug 23rd	
In Progress			
#	Tasks	Date	Remarks
1	Dynamic Capacity Resource Allocation	Aug 25th	
2	Research on Encoding Techniques	Aug 26th	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Basic RL Implementation	Aug 27th	
2	Advanced Supervised Learning	Aug 28th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Aug 28th	Week Ending Date	Sept 3rd
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Supervised Learning Approach 2 - Data Preprocessing	Aug 28th	
2	Supervised Learning Approach 2 - Label Encoding	Aug 30th	
3			
In Progress			
#	Tasks	Date	Remarks
1	Paper Drafting - Research	Sept 1st	
2	Correlation Analysis	Sept 2nd	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Benchmark Model Selection	Sept 5th	
2	Starting with LLD	Sept 7th	
3			

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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Sept 4th	Week Ending Date	Sept 10th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Solution Model - Support Vector Regressor	Sept 4th	
2	Paper Drafting Basic Introduction	Sept 6th	
3	Low Level Design - Introduction	Sept 7th	
In Progress			
#	Tasks	Date	Remarks
1	Low Level Design - Purpose and Scope	Sept 9th	
2	Solution Model- Random Forest	Sept 10th	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Solution Model - Lasso and ridge	Sept 12th	
2	Proposed Approach LLD	Sept 14th	
3			

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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Sept 11th	Week Ending Date	Sept 17th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Solution Model - Lasso and ridge	Sept 12th	
2	Paper Drafting Introduction	Sept 15th	
3		Sept 7th	
In Progress			
#	Tasks	Date	Remarks
1	Low Level Design - Proposed Approach 1 and 2	Sept 16th	
2	Solution Model- Bayesian Ridge	Sept 17th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Solution Model - Stochastic Gradient Descent	Sept 19th	
2	Low Level Design – Algorithms and Pseudo Code	Sept 21st	
3			

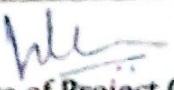

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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Sept 18th	Week Ending Date	Sept 24th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Solution Model - Stochastic Gradient Descent	Sept 19th	
2	Low Level Design - Algorithms and Pseudo Code	Sept 21th	
3		Sept 7th	
In Progress			
#	Tasks	Date	Remarks
1	Comparison of Benchmark model with all Solution Models.	Sept 22nd	
2	Low Level Design - Implementation and Results	Sept 24th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Starting with Review 2 PPT	Sept 25th	
2	Low Level Design – Timelines	Sept 27th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Sept 25th	Week Ending Date	Oct 1st
Name	A Mohan Kumar Allu Vineela Sravanti Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Starting with Review 2 PPT - Abstract and Scope	Sept 25th	
2	Low Level Design Document Review	Sept 27th	
3			
In Progress			
#	Tasks	Date	Remarks
1	Hyperparameter tuning on Solution Models	Sept 26th	
2	PPT - Suggestions from Review 1 and Approach	Sept 28th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	A Group Meeting	Oct 3rd	
2	Low Level Design - Plagiarism Check	Oct 2nd	
3			

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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Oct 2nd	Week Ending Date	Oct 8th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Review 2 PPT - Suggestions from Review 1 and Proposed Approach	Oct 3rd	
2	Low Level Design Document Plagiarism Check	Oct 5th	
3	A Group Meeting	Oct 7th	
In Progress			
#	Tasks	Date	Remarks
1	Hyperparameter tuning on Solution Models, SVM and Lasso and Ridge	Oct 6th	
2	PPT - ML Approach	Oct 8th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	PPT- Algorithm and Pseudo Code	Oct 10th	
2	Dynamic Capacity Resource Allocation Simulation	Oct 12th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Oct 9th	Week Ending Date	Oct 15th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Dynamic Capacity Resource Allocation Simulation	Oct 10th	
2	Hyperparameter tuning on Solution Models, Random Forest and Bayesian Ridge	Oct 12th	
3	PPT- Algorithm and Pseudo Code	Oct 13th	
In Progress			
#	Tasks	Date	Remarks
1	Phase 2 Review 2	Oct 14th	
2	PPT – Final Review	Oct 13th	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Drafting Paper Abstract	Oct 17th	
2	Comparison Graphs of all Models	Oct 20th	
3			

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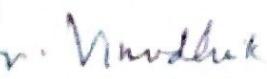
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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Oct 16th	Week Ending Date	Oct 22nd
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Research on RL Implementation	Oct 16th	
2	A Group Meeting	Oct 17th	
3	Comparison Graphs of all Models	Oct 20th	
In Progress			
#	Tasks	Date	Remarks
1	Research on Related Work	Oct 18th	
2	Comparing Traditional Algorithms with ML Approach	Oct 22nd	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Drafting Paper Abstract	Oct 25th	
2	Hyperparameter Tuning	Oct 26th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Oct 23rd	Week Ending Date	Oct 29th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Hyperparameter Tuning	Oct 23rd	
2	Basic RL Implementation	Oct 25th	
3	Drafting Paper Introduction Review	Oct 27th	
In Progress			
#	Tasks	Date	Remarks
1	Research on using LSTM for Classification	Oct 25th	
2	KDtree implementation	Oct 28th	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Supervised ML Model Deployment	Oct 30th	
2	Simulation of Graph Results	Oct 31st	
3			

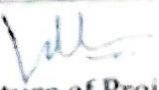

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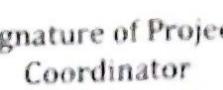

Dr. Vinodhini

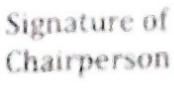
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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Oct 30th	Week Ending Date	Nov 5th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Supervised ML Model Deployment	Oct 30th	
2	Project Report	Nov 2nd	
3	Dynamic Allocation Approach Results	Nov 4th	
In Progress			
#	Tasks	Date	Remarks
1	LSTM Standard Scalar	Nov 3rd	
2	Simulation of Networks	Nov 5th	.
3	Review 3	Nov 7th	
Plan for Next Week			
#	Tasks	Date	Remarks
1	A Meeting with Ma'am	Nov 7th	
2	Continue Paper Drafting	Nov 10th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Nov 6th	Week Ending Date	Nov 12th
Name	A Mohan Kumar Allu Vineela Sravanti Sathyanarayana RK Suhas TJ	SRN	PESZUG20CS002 PESZUG20CS016 PESZUG20CS315 PESZUG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Paper Draft- Overview of Traditional Models Used- Weighted fairness allocation	Nov 7th	
2	Project Report - Results and Discussion	Nov 9th	
3			
In Progress			
#	Tasks	Date	Remarks
1	Project Report - Conclusion	Nov 10th	
2	Paper Draft - Proportional fairness	Nov 11th	.
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Using LIME	Nov 13th	
2	Continue Paper Drafting	Nov 14th	
3			


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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Nov 13th	Week Ending Date	Nov 19th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	Paper Draft- Overview of Traditional Models Used- Dynamic Allocation	Nov 13th	
2	Project Report - Plagiarism Check	Nov 15th	
3	Using LIME for Model Explainability	Nov 17th	
In Progress			
#	Tasks	Date	Remarks
1	CNN + LSTM	Nov 16th	
2	Paper Draft – MI Approach Description	Nov 19th	
3			
Plan for Next Week			
#	Tasks	Date	Remarks
1	Using SHAP	Nov 20th	
2	Implementation of LLM for Classification	Nov 23rd	
3			



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Project Title	Machine Intelligence based Quality Of Service Framework to Address Network Slicing Issues in 5G.		
Batch No	100		
Week Starting Date	Nov 20th	Week Ending Date	Nov 26th
Name	A Mohan Kumar Allu Vineela Sravanthi Sathyanarayana RK Suhas TJ	SRN	PES2UG20CS002 PES2UG20CS036 PES2UG20CS315 PES2UG20CS0355
Activities Completed			
#	Tasks	Date	Remarks
1	PPT - Summary of Requirements and Design	Nov 20th	
2	Generation of Synthetic Data	Nov 25th	
3	Simulation of Traditional Models on Generated Data	Nov 26th	
In Progress			
#	Tasks	Date	Remarks
1	Project Report Review	Nov 25th	
2	ML Results on Generated Data.	Nov 26th	
3	Paper Draft	Nov 26th	Needs necessary changes in all sections
Plan for Next Week			
#	Tasks	Date	Remarks
1	ESA Review	Nov 30th	
2	Video Making	Nov 29th	
3			


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