PRESENTATION

By

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<u>Introduction</u>

- Predicting students performance accurately is very challenging and important in terms of their further Education and to find their area of interests that will help them improve their weak sections.
- The challenges faced by existing systems are for the accurate prediction the dependency between subjects must be identified, students evolving progress needs to be incorporated into the prediction.

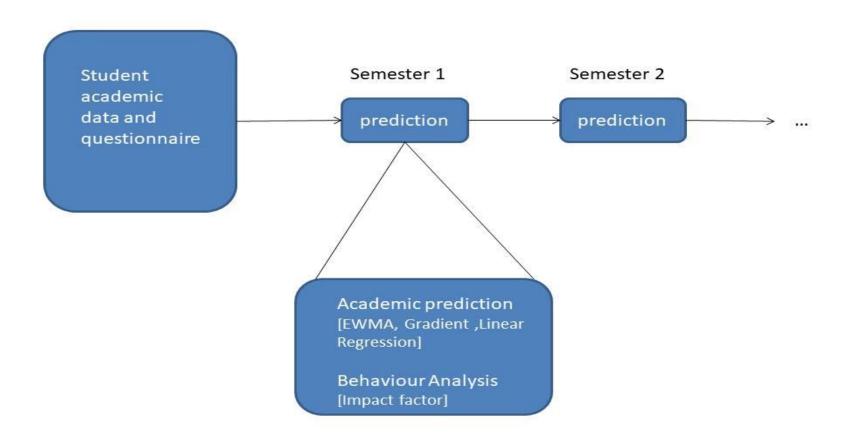
Problem Statement

 Student Performance Prediction based on academic performance and analysing behavioural pattern to improve results.

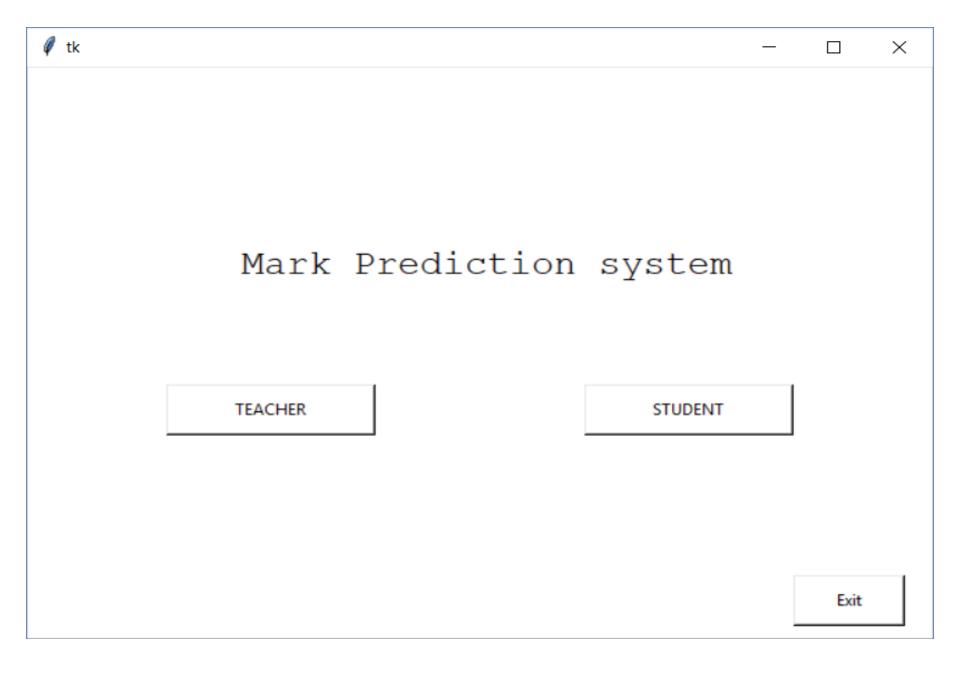
Literature Survey

SR NO	TITLE	Year	Journal	Description
1	A Machine Learning Approach for Tracking and Predicting Student Performance in Degree Programs	2016	IEE	Predicting Students Performance based on Academic Records using EWAF Algorithm
2	Student Performance Prediction Using Machine Learning	2015	IJERT	.Performance Prediction using neural networkPrediction performance of neural network increases as increase in Dataset.
3	Early Prediction of Students Performance using Machine Learning Techniques	2014	IJCA	.For predicting performance Decision Trees (DT), Bayesian Networks (BN), Artificial Neural Networks (ANN), Support Vector Machines (SVM) is used
4	Predicting Students' GPA and Developing Intervention Strategies Based on Self- Regulatory Learning Behavior	2017	IEEE	Predicting Students performance using Academic data as well as by using Questionaries'. .Questions based on Behaviour, extra Activities etc.

System Architecture



Screenshots



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Student Login

Roll Number:

Password :

Login

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Welcome Roll number: 4

QUESTIONS

MARKSHEET

BACK

6. How often

Questions		
1. How much time you daily study ?	->	A
A B C D	->	В
2. Do you get at least 6 hours of sleep each night ? A B C D	->	В
3. Can you study for at least half an hour without breaks?	->	В
A B C D D 4. Do you spend extra time for programming ?	->	A
Al Bl Cl Dl	->	C
5. Do you complete given programming assignment in given time A B C D	->	A
. How often you motivate yourself to study (for weaker subjects)? A B C D	->	В
7. How often procrastinate your planned study session?	->	C
A B C D D 8. Do you make notes while studying at home ?	->	С
A B C D D Often you look after your physical as well as mental health? A B C D D 10. How often do you meditate ?	•	
A B C D		

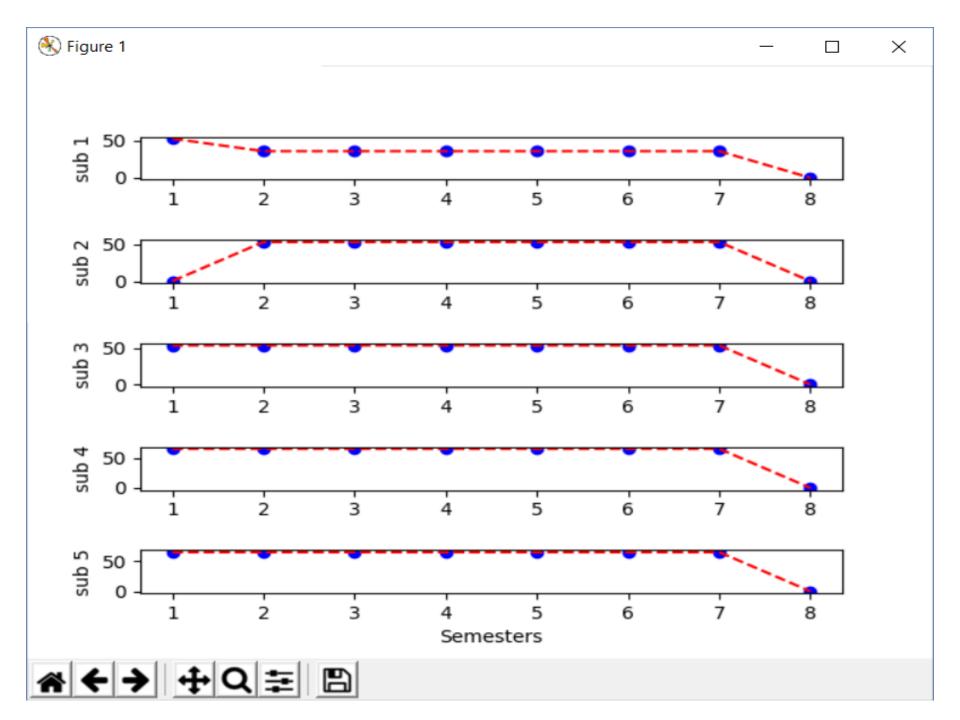
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9. how often you

A - Always B - Weekend

C - occasionally D - Never

SUBMIT



Your Performance

	Sub.1	Sub.2	Sub.3	Sub.4	Sub.5
	2.5	5.0			
Sem 1 :	36	53	54	65	65
Sem 2 :	36	53	54	65	65
Sem 3 :	36	53	54	65	65
Sem 4 :	36	53	54	65	65
Sem 5 :	36	53	54	65	65
Sem 6 :	36	53	54	65	65
Sem 7 :	36	53	54	65	65
Sem 8 :	0	0	0	0	0

8th Semester Predicted marks (Range) :

Min: 33.0 50.0 51.0 62.0 62.0 Max: 38.0 55.0 56.0 67.0 67.0

Need to work on subjects like:

Analytical - Coding -

EXIT

Teacher Login

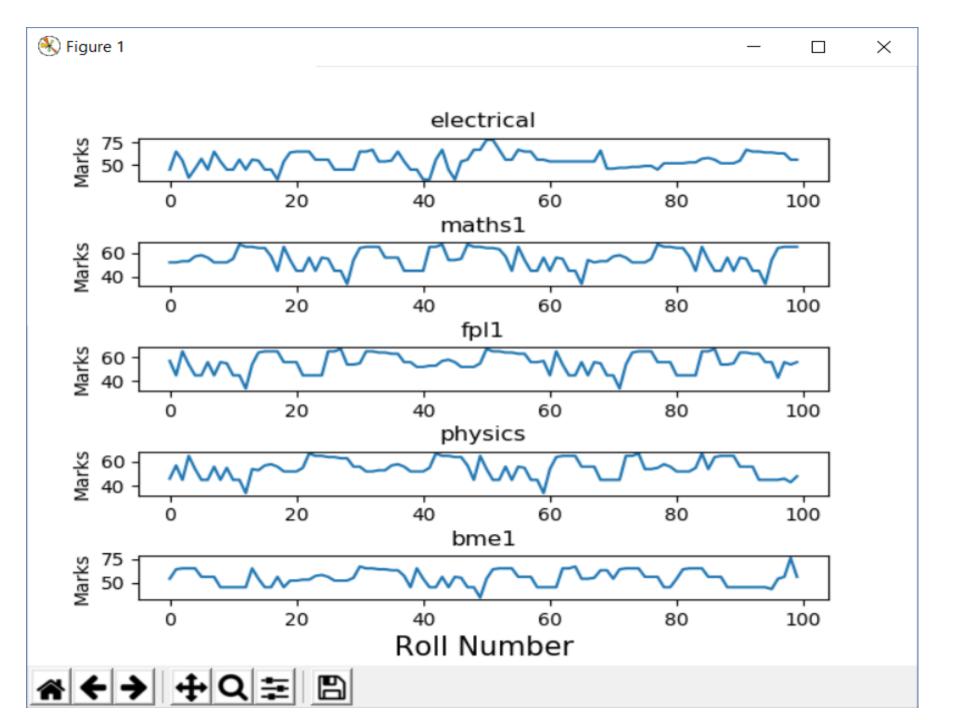
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Register Number:

Password:

Login





Conclusion

- Present study shows that academic performance of the students are primarily dependent on their past performances. Past Performance indeed got a significant influence over students' performance. Machine Learning has come far from its nascent stages, and can prove to be a powerful tool in Academic In this we propose new method by using Simple exponential smoothing.
- Algorithm for predicting Students Performance using their current as well as Past Academic records And taking an input of behavioural based questions which helps to know behaviour or the attitude of the Student towards particular thing.

References

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Thank You!!!