**TASK-2 (18 JUNE 2019)**

**RESEARCH PAPERS:**

1. <https://link.springer.com/article/10.1186/s13640-017-0228-8>
2. <https://files.eric.ed.gov/fulltext/ED560534.pdf>
3. <https://infoscience.epfl.ch/record/212929/files/EPFL_TH6745.pdf>
4. <https://arxiv.org/pdf/1804.00858.pdf>
5. <https://ria.ua.pt/bitstream/10773/23892/1/paper.pdf>
6. <http://people.tamu.edu/~zhuziwei/pubs/Ziwei_BSN_2017.pdf>
7. <https://www.mitpressjournals.org/doi/pdf/10.1162/REST_a_00525>
8. <https://files.eric.ed.gov/fulltext/EJ1137191.pdf>
9. <file:///C:/Users/123/Downloads/academicperformancepaper.pdf>
10. <file:///C:/Users/123/Downloads/FACTORS_AFFECTING_STUDENTS_PERFORMANCE_I.pdf>
11. <file:///C:/Users/123/Downloads/Improvingemployeeproductivitythroughworkengagement.Empiricalevidencefromhighereducationsector.pdf>
12. <https://mpra.ub.uni-muenchen.de/74265/1/MPRA_paper_74265.pdf>
13. <https://pdfs.semanticscholar.org/d1bc/089f2e32dcd1762ab63dc75631186fe5b2ff.pdf>
14. <file:///C:/Users/123/Downloads/Predicting_students_attention_in_the_classroom_fr.pdf>
15. <https://infoscience.epfl.ch/record/212929/files/EPFL_TH6745.pdf>

**SIMILAR SYSTEMS:**

* Facial Expression analysis for active listening
* Mood extraction using face expressions to increase the learning curve of student in e-learning
* Employee productivity check using face expression analysis
* Face Emotion analysis in the field of marketing
* Prediction of employee turnover in an organization using Machine learning algorithms

**SOFTWARES FOR FACE EXPRESSION ANALYSIS:**

* Affectiva
* Emotient
* EmoVu
* NVISO
* Sky Biometric

All these software's API’s with SDK are available.

**FEATURES OF PROJECT:**

1. Face detection.
2. Expression analysis.
3. Classification of students into different categories of activeness.
4. Optimization (suggestions & discussions) through the online chat bot.