



SmartTutor

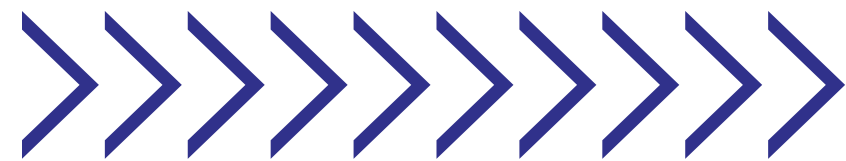
an interactive learning platform

Group

Munam Mustafa

Alyan Anwar

Muhammad Raza



Supervisor

Nirmal Tariq

Co-Supervisor

Marium Hida

OUTLINE



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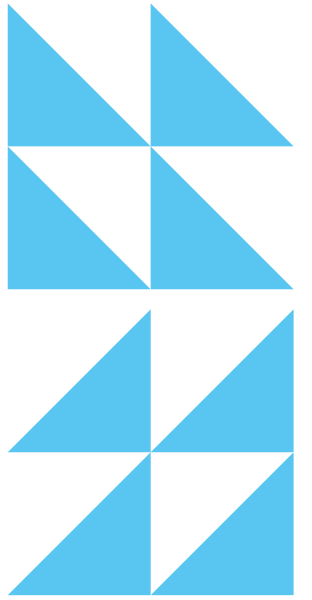
PROJECT OVERVIEW

Goal:

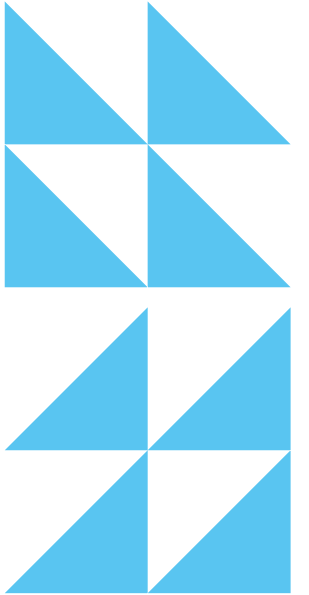
- To create a platform that connects students with the best tutors based on their preferences and learning needs

Core Objectives:

- Provide a seamless tutor-student matching system based on skills, availability, and student preferences
- Enable real-time video calling for interactive online tutoring
- Emotion tracking feature to analyze students emotions during video sessions to improve learning



PREVIOUS FEEDBACK



FYP-1 Final Evaluations Feedback Fall 2024 Inbox x



fypcommittee.isb@nu.edu.pk

to me ▼

Jan 27, 2025, 12:36 PM



Dear Munam Mustafa,

Based on Evaluations submitted by faculty Members for reports and presentations for your FYP titled **F24-060-D-SmartTutor** are as Follows:

Comments of presentation: Better testing should be performed. There should be learning curve in each iteration. - GUI need to be improved. - The work is slow - and distribution needs to be rethought. -

Comments of Report: - -

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- Best Regards,

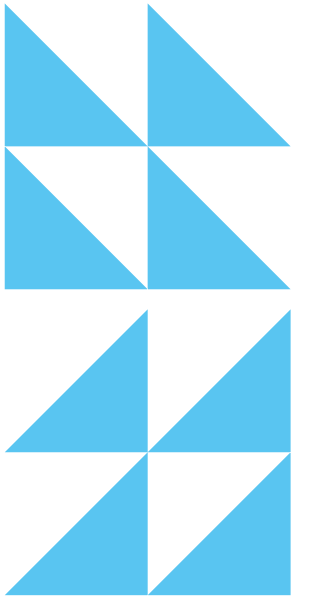
FYP Committee

Department of Computing

FAST NUCES, Islamabad



CURRENT PROGRESS



1 Chats System

2 Video Calling

3 Emotion Analysis

4 Emotion Details



MODEL DETAILS

Model Used: DeepFace

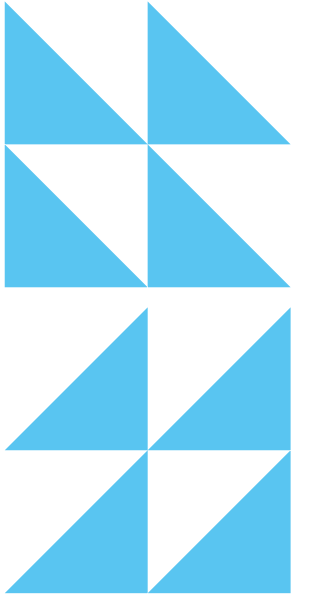
```
"scores": {  
  "angry": 0.00018946192312796484,  
  "disgust": 1.328385571673803e-13,  
  "fear": 1.175398334218869e-07,  
  "happy": 99.99980926513672,  
  "sad": 1.1376527275785975e-06,  
  "surprise": 9.317724369850566e-09,  
  "neutral": 1.0931326954732867e-07  
}
```

Accuracy: 87.47% (6266/7164 correct prediction

```
{  
  "image": "9999.jpg",  
  "image": "9999.jpg",  
  "emotion": "neutral",  
  "scores": {  
    "angry": 0.0098297238659157,  
    "disgust": 4.0283468758226826e-13,  
    "fear": 0.0037933340510788918,  
    "happy": 0.00036026310428533687,  
    "sad": 0.05228297709694232,  
    "surprise": 0.0374699754604668,  
    "neutral": 99.89626406386662  
  }  
}
```

Model Accuracy: 76.46% (3809/4982 correct predictions)

REMAINING PROGRESS

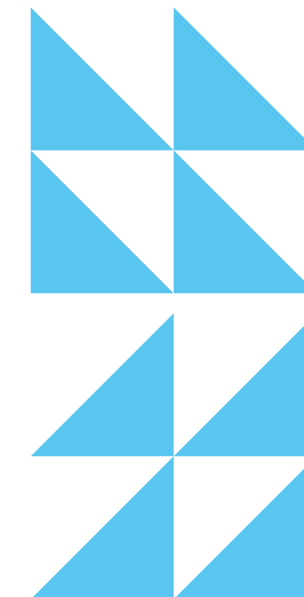


1 Head & Eye Detection

2 Report Generation

3 Thorough Testing





LIVE DEMO





THANK YOU

