

# ICPC TXST TEXAS - MEXICO Invitational Programming Contest

Sponsored by ICPC Foundation, ICPC Asia and The Department of Computer Science at TXST

```
def autoDetermineLanguageFromInput(inputString):
    if lang is None:
        raise Exception("Input language could not be determined")
        return None
    parsedInput = self.parseInputToLanguageModel(inputString, inputLanguage)
    if not parsedInput or not self.model:
        return None
    context.append(parsedInput) # Add new conversation entry to context
    return (self.model.generateLLMOutput(parsedInput), context)

def parseInputToLanguageModel(inputString, inputLanguage, context):
    if self.model is None or self.model.language != inputLanguage:
        # LLM is not initialised or has wrong language, load LLM
        self.model = self.loadAllLanguageModelsFromDatabase(inputLanguage)
        if self.model is None or not self.runModel(self.model):
            raise Exception("AI language model load failed")
            return None
        self.model.setLLMContext(context) # Put past conversation into context
        self.model.setInputParser()
        return self.model.parseInput(inputString)

def generateLLMOutput(parsedInput):
    context = self.model.getLLMContext()
    llmResponse = self.model.convertInputToLLMContext(context, parsedInput)
    if llmResponse is None:
        raise Exception("LLM response is None")
    return llmResponse
```



## About the Contest

The CS department at TXST is hosting an International Collegiate Programming Contest (ICPC). This contest was successfully organized for the past few years and last year, several teams from various universities from all over Texas and Mexico participated and won certificates. Interested students can come to compete, network with other students and win certificates to help you obtain employment. This is an on-site competition at Derrick Hall, TXST campus. Complimentary breakfast and lunch will be provided. Visit the website for details and travel information.

## Who

Any student interested in programming.  
No registration fees. Teams of three.

## When

Registration Deadline: March 28, 2025  
Contest Date: Friday, April 4, 2025

## Where

Derrick Hall, TXST, San Marcos, Texas, USA

## How to Register

[QR Code](#)

Details, registration info, and practice problems can be found on the website.

<https://icpc.cs.txstate.edu/>



TEXAS STATE  
COMPUTER SCIENCE

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If you require accommodations due to a disability in order to participate, please email [greg@txstate.edu](mailto:greg@txstate.edu) at least 72 hours in advance of the event. Texas State University is a tobacco-free campus.