

## CSCE 590-1: Trusted AI

### Lecture 28-29: Final Student Project Presentations

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PROF. BIPLAV SRIVASTAVA, AI INSTITUTE

30<sup>TH</sup> NOV AND 2<sup>ND</sup> DEC, 2021

***Carolinian Creed: “I will practice personal and academic integrity.”***

## Schedule Snapshot

Nov 9 (Tu)	AI - Unstructured (Text): Analysis – Rating and Debiasing Methods	
Nov 11 (Th)	Explanation Methods Trust: AI Testing	
Nov 16 (Tu)	Trust: Human-AI Collaboration	
Nov 18 (Th)	Paper presentations – Graduate students	Final assignment for Graduate students
Nov 23 (Tu)	Emerging Standards and Laws Trust: Data Privacy	Quiz 4
Nov 25 (Th)	Thanksgiving	HOLIDAY
Nov 30 (Tu)	Project presentations	
Dec 02 (Th)	Project presentations	
Dec 7 (Tu)	Final Exam/ Course Recap	

# Organization of Lecture 28

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- Introduction Segment
  - Announcements
- Main Segment
  - Project presentations
- Concluding Segment
  - Ask me anything

# Announcements (for 30 Nov 2021)

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- Provide review for the course (if not already done)
- Reminder: Project consists of two components
  - Presentations: today and Thursday
    - Slides due by 1:00 pm on Nov 30, 2021
  - Report:
    - Report due by 1:00 pm on Dec 2, 2021

# Organization of Lecture 29

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- Introduction Segment
  - Announcements
- Main Segment
  - Project presentations
- Concluding Segment
  - Final examination given out (take home)
  - Ask me anything

# Announcements (for 2<sup>nd</sup> Dec 2021)

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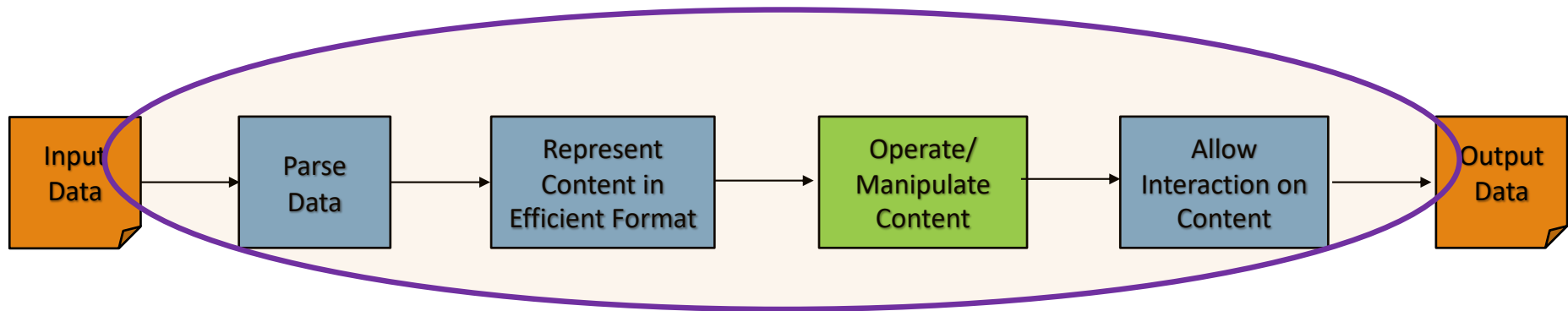
- Provide review for the course (if not already done)
- Final examination is a take home
  - Due by 1:00 pm on Dec 7, 2021
- Last class is Dec 7, 2021

# Introductory Segment

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# Main Segment

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# Course Project – What to Focus On

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## •Framework

1. (Problem) Think of a problem whose solution may benefit people (e.g., health, water, air, traffic, safety)
2. (User) Consider how the primary user (e.g., patient, traveler) may be solving the problem today
3. (AI Method) Think of what the solution will do to help the primary user
4. (Data) Explore the data for a solution to work
5. (Reliability:Testing) Think of the evaluation metric we should employ to establish that the solution will work? (e.g., 20% reduction in patient deaths)
6. (Holding Human Values) Discuss if there are fairness/bias, privacy issues?
7. (Human-AI) Finally, elaborate how you will explain the primary user that your solution is trustable to be used by them

## Rubric for Project

- Project plan along framework introduced (7 points)
- Challenging nature of project
- Actual achievement
- Report
- Sharing of code

## Presentation

- Motivation
- Coverage of related work
- Results and significance
- Handling of questions

From Lecture 6: 7th September 2021

# What to Cover in Project Presentation/ Report

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- **Final presentation:** problem, user, data, AI method, evaluation, human values (as appropriate), human-AI issues, any lessons learnt, location of code
- Time per student
  - 10 minutes – presentation
  - 2 minutes - Q&A
  - Students can ask questions on slack for each project and concerned student can respond
- Final report
  - Explain what you presented
  - Related work along with list references

# Concluding Segment

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# About Next Lecture – Lecture 30

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# Lecture 30: Course Completion

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- Final is due by 1:00 pm on Dec 7, 2021
- We will summarize the course, topics covered and key learnings