

## Detailed Instructions

### Project Schedule

The detailed schedule of the PINN project is available [OVERALL\\_SCHEDULE](#) .

- Please take your time to go through week 1 and 2's content to finalise on the differential equation/(s) you want to solve using PINNs. The difficulty of the equation or the number of differential equations you choose to solve do not play a role in the grading.
- The project will begin from tomorrow (August 29th), we'll take a break during the MTE's (5th Sep to 15th Sep) and end on 9th November. There are 4 graded submissions and 1 ungraded submission. Ungraded submissions are optional!
- There will be no assignment for Week 3 - ie, Matlab week. You can choose to generate the data without Matlab if the analytical solution already exists and proceed to Week 4's content directly or you can pick up Matlab as another skill and generate your data using that.
- The final capstone - Solving the Non Linear Schrodinger Equation is kept optional in order to be flexible to all learners! However, a **final report** on either the capstone or the differential equation solved in the previous weeks **is compulsory**.
- Since the grading will be done purely based on the submissions, the submissions will be checked for plagiarism. **Any work identified as plagiarized will result in immediate removal.**

Our primary mode of communication will be through teams. We can arrange google meets or offline meets in SAC for doubts clearance if the need arises. The [General](#) channel is for important announcements, messages and updates from PaAC. The [Discussions](#) channel is free for anyone to use to communicate with their fellow open project members. You can contact the supervisors (Myself, KHUSHI and ADITH V R) for any doubts or queries in the [Queries and Help](#) channel.

Using Physics Informed Neural Networks to solve Differential Equations - HackMD

Physics Informed Neural NetworksCommentPaAC Open Projects 2022