

**Introduction to the course on**

**Operating Systems**

**Sem VI 2021-22**

**3 Jan 2022**



Remembering  
one of the True  
teachers on the  
**Teachers' day**  
today

3<sup>rd</sup> Jan 2022

**Before we go any further,**

**What do you want?**

**How do you want it to be different than CN?**

# Why is this course important?

In an era of “Data Science” why study  
“Operating systems” ?

Fashion is temporary, class is permanent.  
Toppings keep changing, base does not!

Remember: DO NOT neglect the core courses in  
Computer Engineering!

# Why is this course important?

What will this course teach you

To see “through” the black box called  
“system”

To see, describe, analyze  
**EVERYTHING** that happens on your computer

# **Why is this course important?**

**What will this course teach you**

**Remove many MISCONCEPTIONS about the  
“system”**

**Unfortunately you kept assuming many things  
about what happens “inside”**

# Why is this course important?

What will this course teach you

Clearly bring out what happens in hardware  
and what happens in software

Fill in the gap between what you learnt in  
Microprocessors+CO and any other  
programming course

# **Why is this course important?**

**This course will**

**Challenge you to the best of your  
programming abilities!**

**Give you many (more) sleepless nights.**



# **Why is this course important?**

**This course will**

**Help you solve most of the problems that occur on your computer! Also teach you to raise the most critical unsolved problems in Operating systems.**

**Be a mechanic and a scientist at the same time!**

# Why is this course important?

Do we have jobs in Operating Systems domain?

Yes!

Veritas, IBM, Microsoft, NetApp, Amazon (AWS), Oracle, Seagate, Vmware, RedHat, Apple, Google, Intel, Honeywell, HP, ...