

National University of Sciences and Technology

# Status of CMS Production Center

@

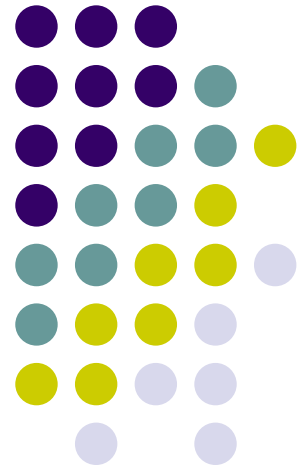
NUST Institute of Information Technology

---

Presented By  
M. Adeel Zafar (Research Assistant NIIT)

Project Supervised By  
Prof. Dr. Arshad Ali  
Mr. Kamran Munir

[zafar.adeel@niit.edu.pk](mailto:zafar.adeel@niit.edu.pk)





# Hardware Resources

- Available Computing Resources
  - 10 Pentium 4 Machines with 1 GB RAM each
  - 4 are currently being utilized for production
- Storage Resources
  - Hard Drives
    - 10 \* 40 GB = 400 GB
    - 1 \* 200 GB = 200 GB
  - Tape Storage
    - 10 \* 40 GB = 400 GB

Total Storage: 1 TB approx.



# Internet Connectivity

## Uplink

- 1 MB DSL (Available 24\*7)  
By NTC (National Telecom Corp)
- 512 Kb from Micronet (Backup)

## Downlink

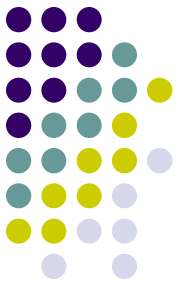
- 1 MB DSL (Available 24\*7)  
By NTC (National Telecom Corp)
- 512 Kb from Micronet (Backup)



# No. of Events produced

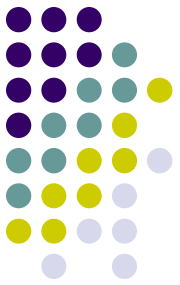
Assign ID	DAR	Prod Step	No. of Events Produced
3223	CMKIN_1_0_2	CMKIN	100/100
6658	CMKIN_1_0_2	CMKIN	100/100
4996	CMKIN_1_0_2	CMKIN	10000/10000
3224	CMS132	CMSIM	100/100
5001	CMS133	CMSIM	2000/10000
6659	OSCAR_2_4_5	OSCAR	99/100
5249	OSCAR_2_4_5	OSCAR	9999/10000

# Current Assignment



Assign ID	DAR	Prod Step
5871	ORCA_7_6_1	Digi w/PU

- Downloaded the job
- Current Task
  - Connect to CASTOR to get the DAR
    - Installed related RPMs
    - Linux system which was used to request the certificate was upgraded
    - We have re-requested the certificate

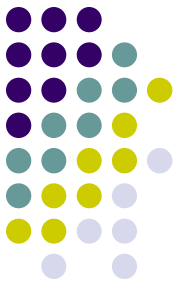


# Available Man Power

- Muhammad Adeel Zafar Research Assistant
- Muhammad Atif Mehmood Research Assistant
- Yasir Naveed CMS Project Research Students
- Sajjad Haider CMS Project Research Students

## Being Supervised by

- Prof. Dr. Arshad Ali
- Kamran Munir



# Status of Production Center

- Softwares Installed
  - McRunjob fin041029b
  - Shakhar version 2.2
  - Python 2.4
  - Boss-v3.3.7
  - OpenPBS
  - Mysql
- Dar Files
  - CMKIN\_1\_0\_2
  - CMS133
  - COBRA\_7\_8\_5
  - OCSAR\_2\_4\_5
- PU Data

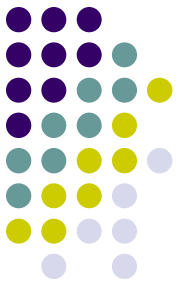


# CMS-LCG Production

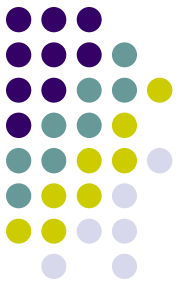
- Currently we have installed the RPMs for LCG\_2\_4\_0 UI
- Todo
  - Configuration of LCG UI
  - Setup SE
  - Setup CE
  - Run Production on Grid



# Other Matters



- Suggestion
  - Is it possible to share RC Installation Guide among the Production centers.



# Thanks