

BE WHAT YOU WANT TO BE

*Hybrid Forecasting System of Renewable Energy with Smart
Grid for a Sustainable Future*

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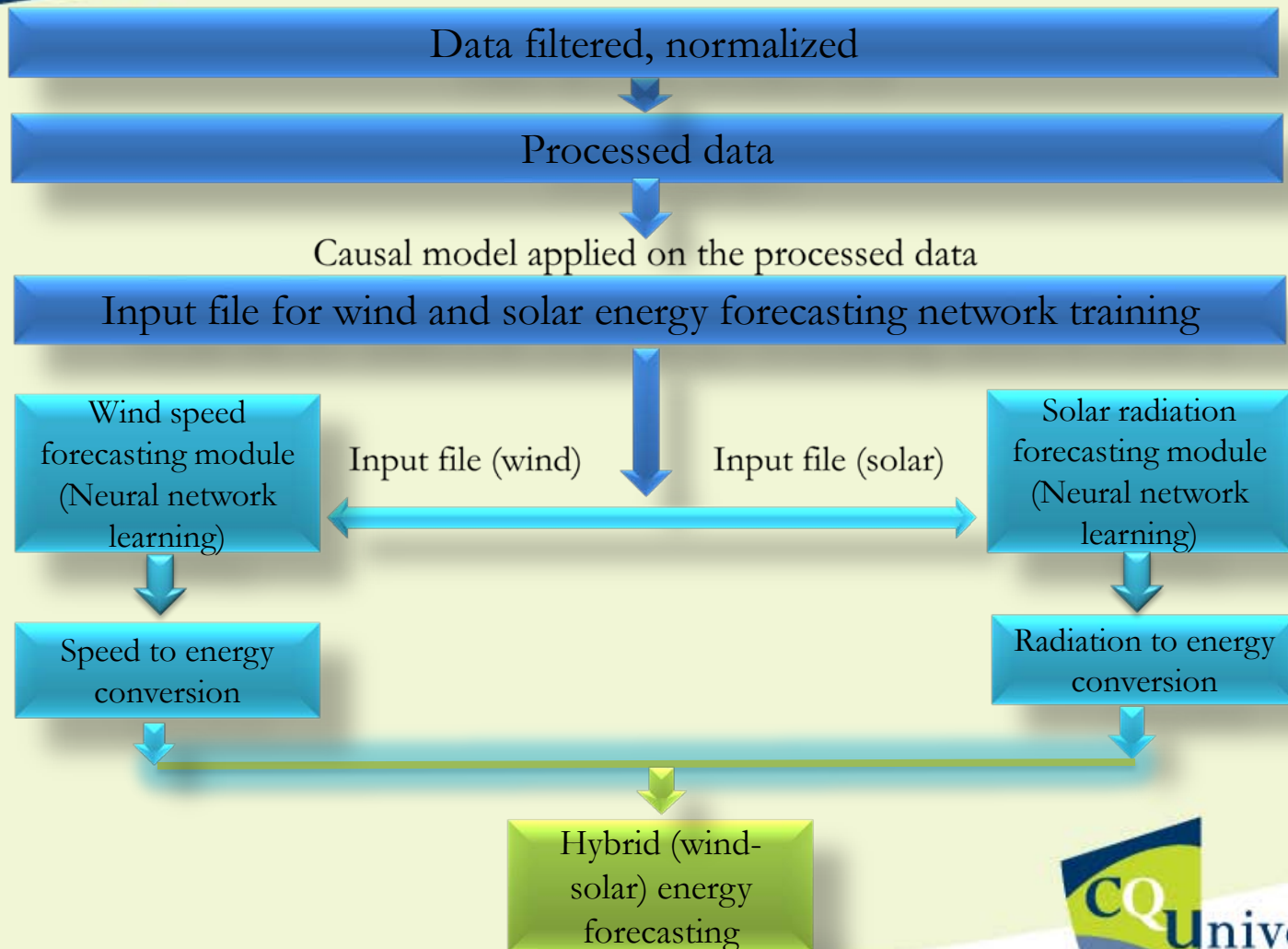
Challenge Addressed by the Project

*The challenge addressed by this project is to develop a **unique hybrid forecasting** system using historical weather data for the intermittent renewable energy sources like wind and solar with smart grid for a sustainable future.*

Why is this Challenge Important?

- ❑ To optimize the intermittency of wind and solar energy throughout more predictability
- ❑ To integrate with smart grid
- ❑ Such hybrid forecasting has significant impact on the optimum power flow, transmission congestion, power quality issues, system stability, load dispatch, and economic analysis
- ❑ To defend against global warming

Project Plan to Resolve the Challenge



Expected Outcome

Expected outcome of this project is the development of a platform independent, artificial intelligence based unique and more robust application that will continuously deliver hybrid (wind-solar) energy forecasting at the interval of three hours.

Expected Benefits

- Resolving unpredictability of wind and solar energy
- Robustness
- Viable economic and sustainable alternatives to conventional fossil fuels
- Green, clean, sustainable world

Beneficiary of the Project

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- The nature and human being all over the world
 - Subtropical climate areas like Australia
 - Australian energy industries
 - Researchers

