



Automata Formal Languages & Logic

Preet Kanwal

Department of Computer Science & Engineering

Automata Formal Languages & Logic

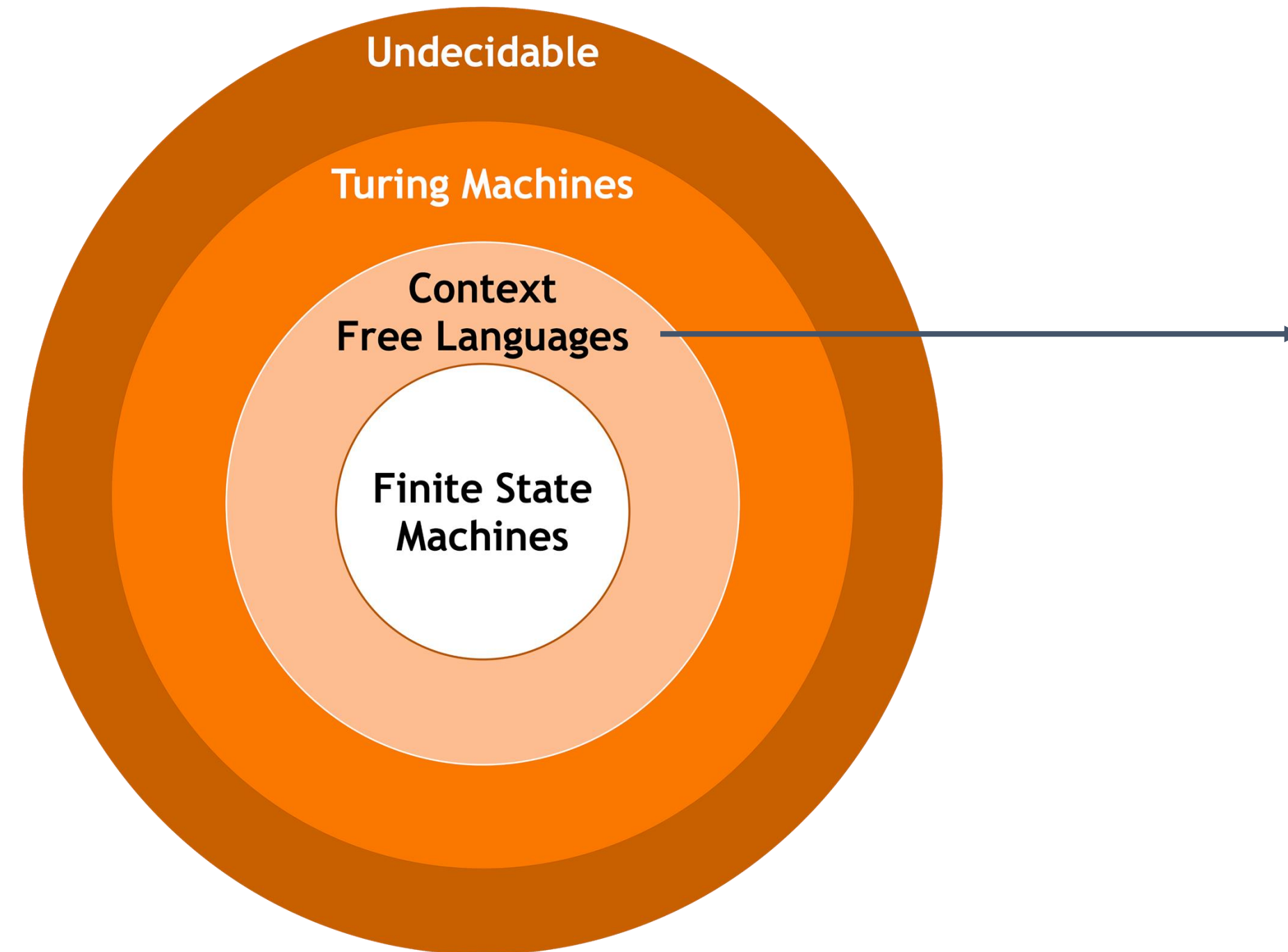
Unit 3

Preet Kanwal

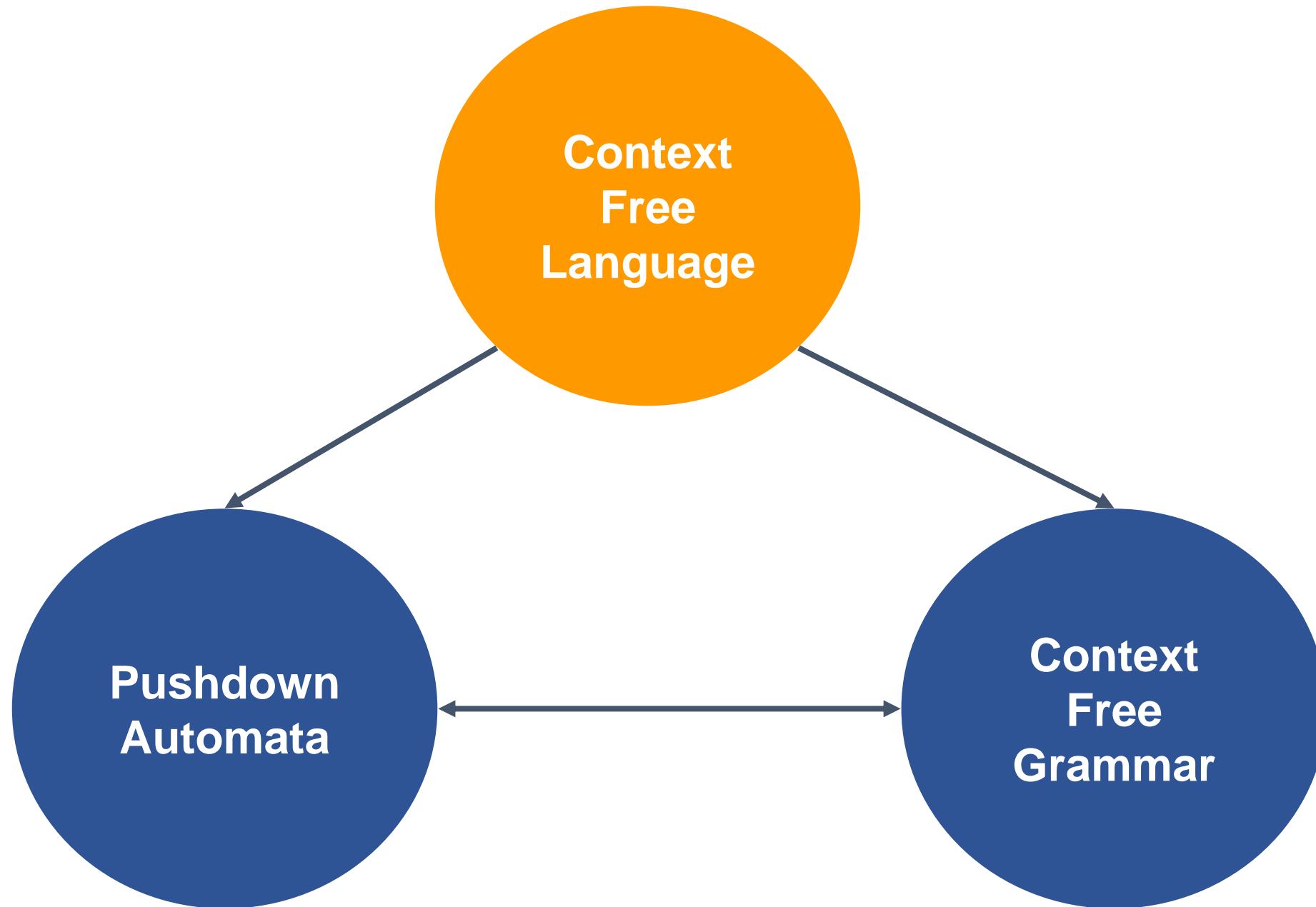
Department of Computer Science & Engineering

Automata Formal Languages and Logic

Unit 3 - Context Free Grammars



We are here !!



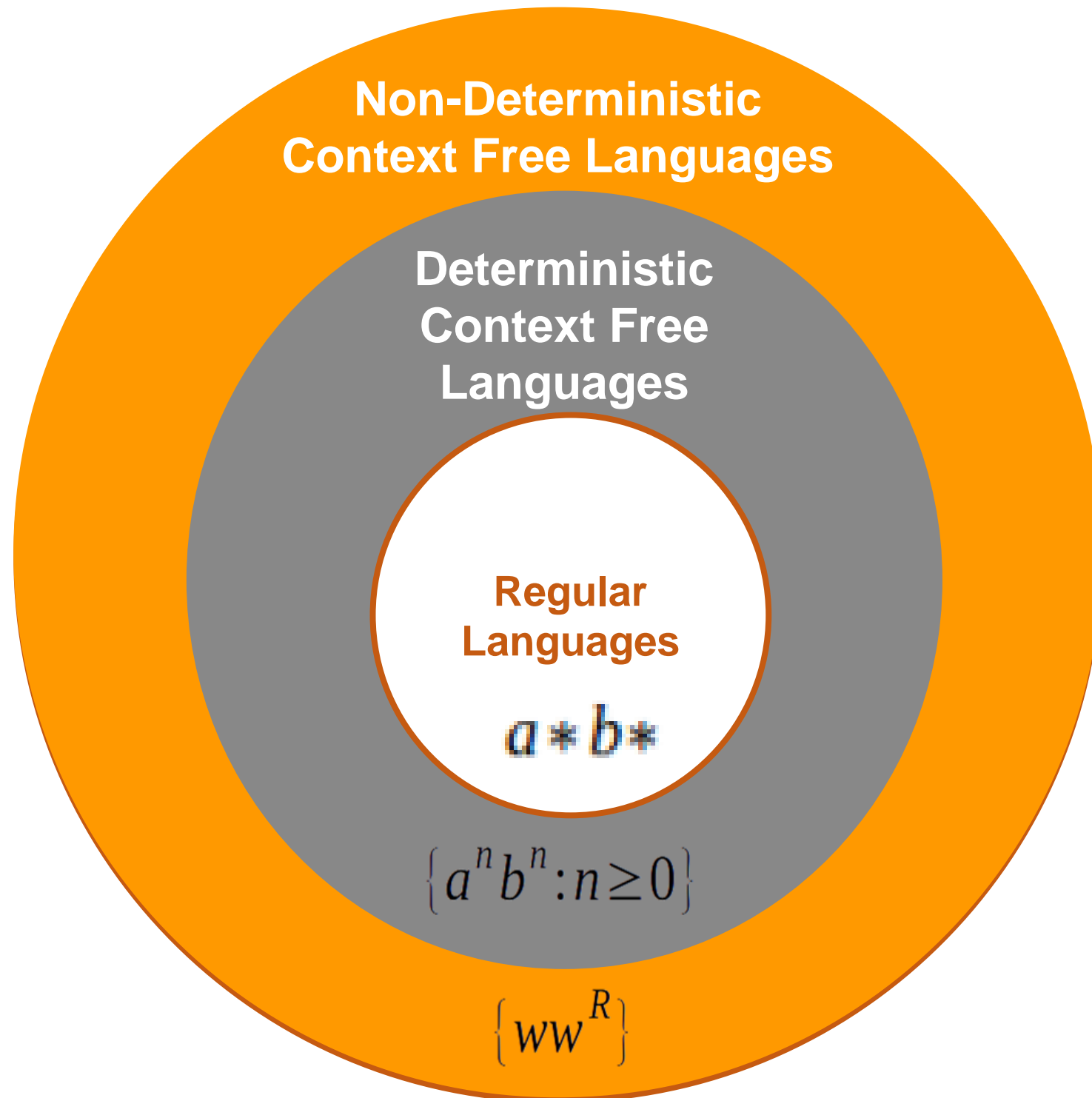
Context Free Languages

Regular
Languages

a^*b^*

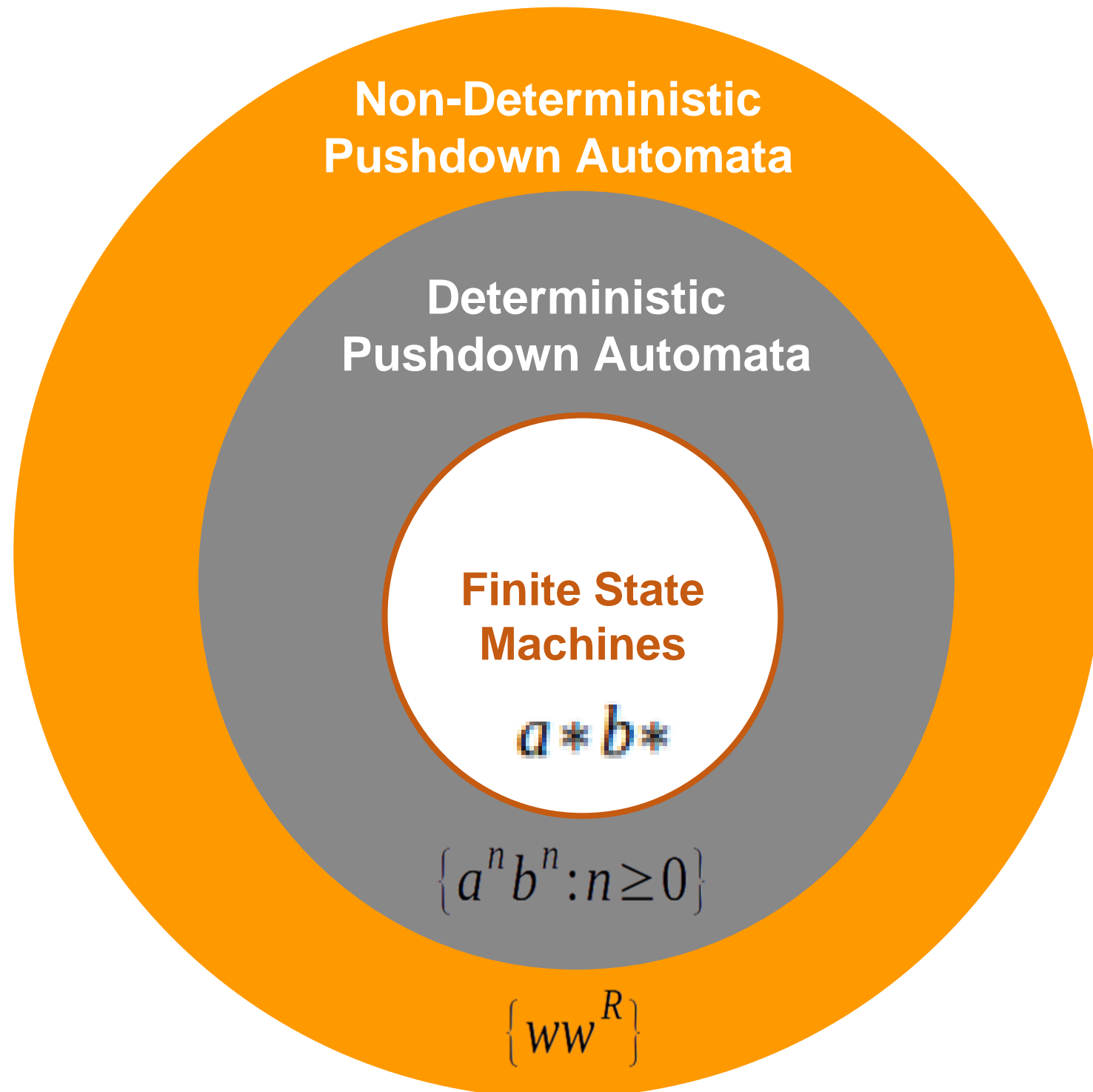
$\{a^n b^n : n \geq 0\}$

$\{ww^R\}$



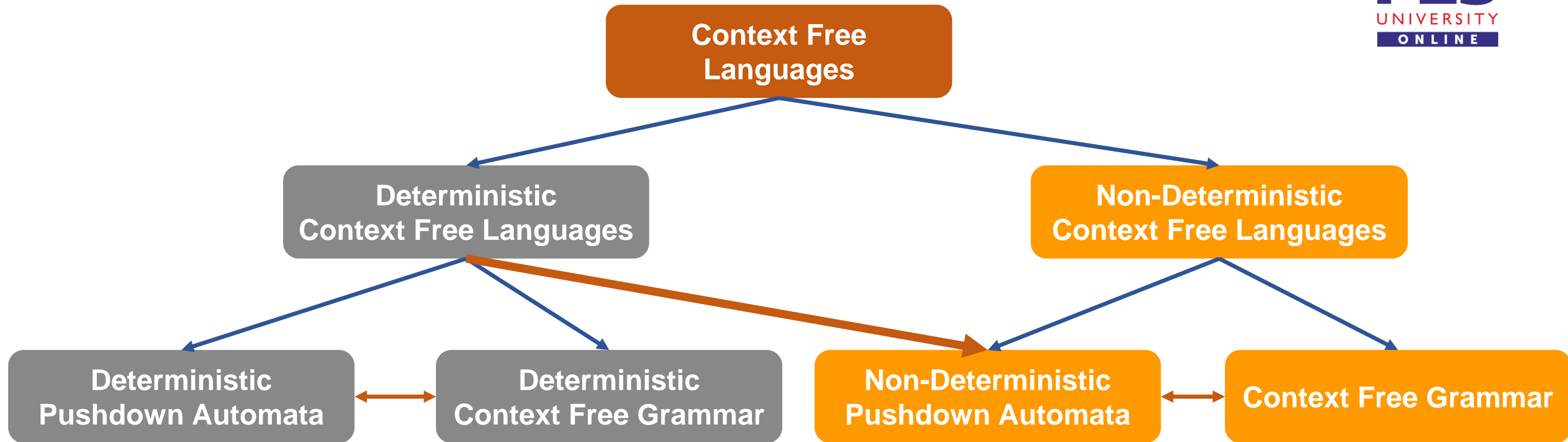
Automata Formal Languages and Logic

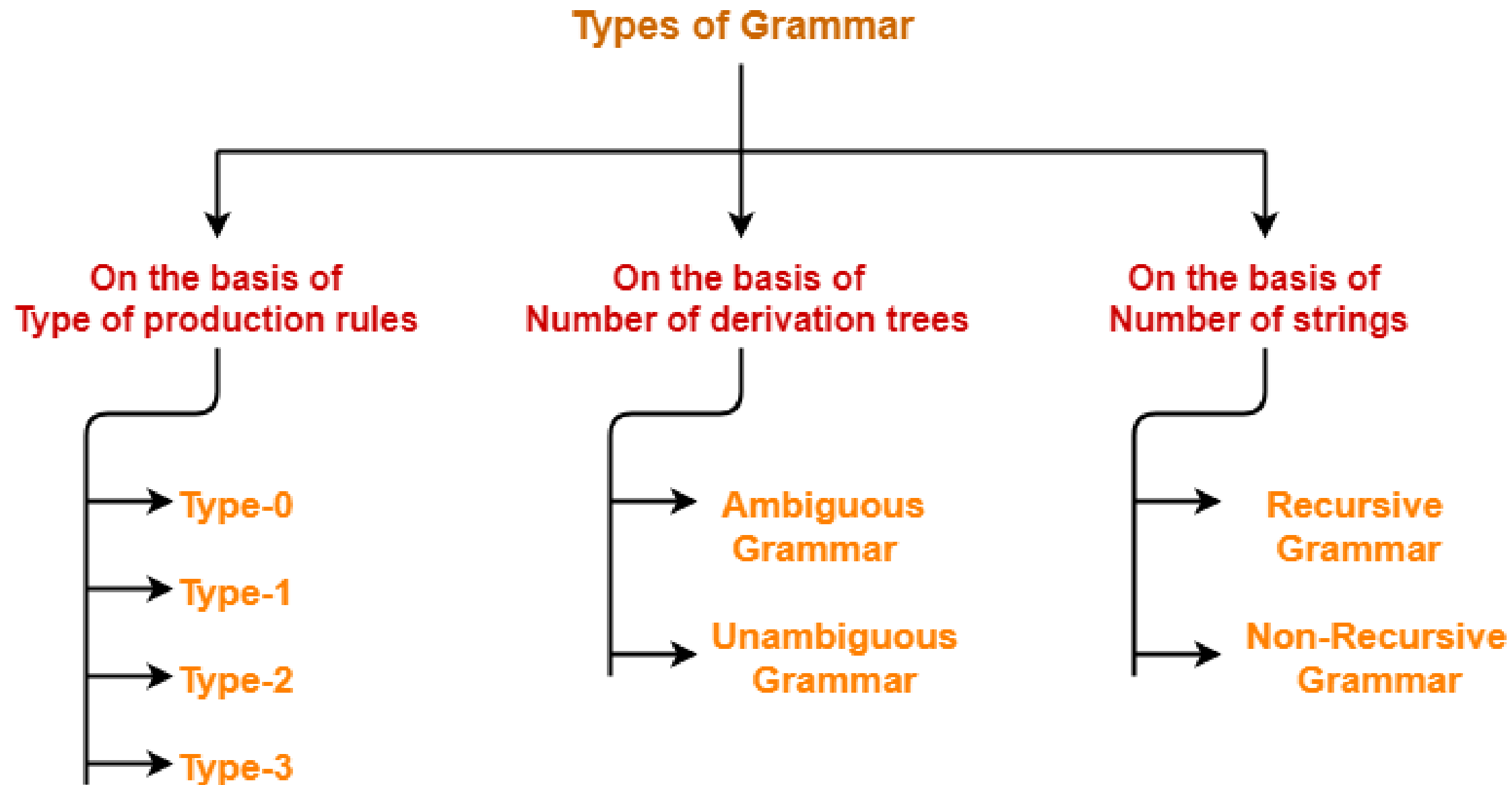
Unit 3 - Context Free Grammars



Automata Formal Languages and Logic

Unit 3 - Context Free Grammars





(Chomsky Hierarchy)

Context Free Grammar

Ambiguous Grammar

Unambiguous Grammar

Deterministic
Context Free
Grammars



Derivation

&

Parsing



THANK YOU

Preet Kanwal

Department of Computer Science & Engineering

preetkanwal@pes.edu

+91 80 6666 3333 Extn 724