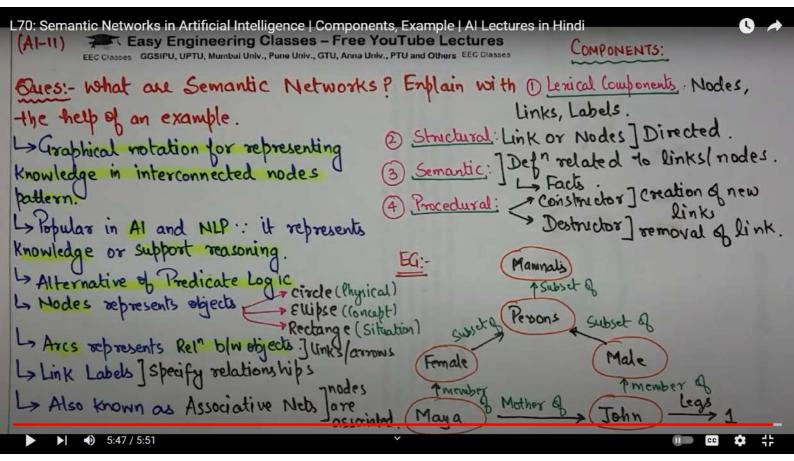
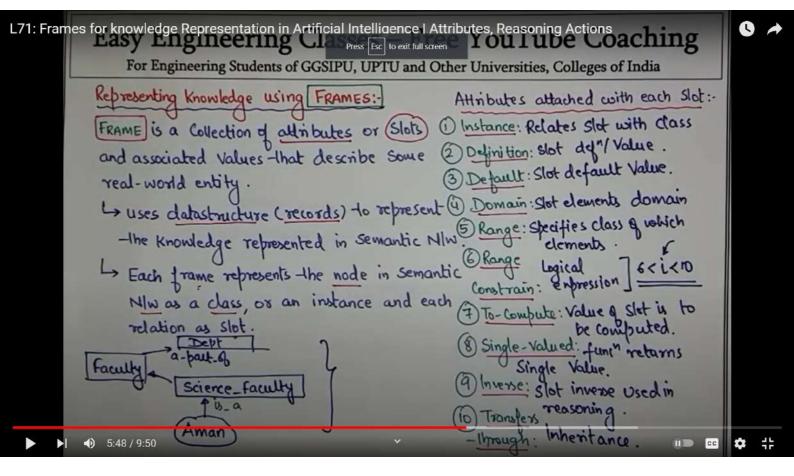
L60: Forward chaining, Backward chaining | Example | Comparison | Artificial Intelligence Lectures





For Engineering Students of GGSIPU, UPTU and Other Universities, Colleges of India

Reasoning actions—that Can be performed frames:

(1) Relating—the definition: isa, inverse links] Propagation of deformed all infor.

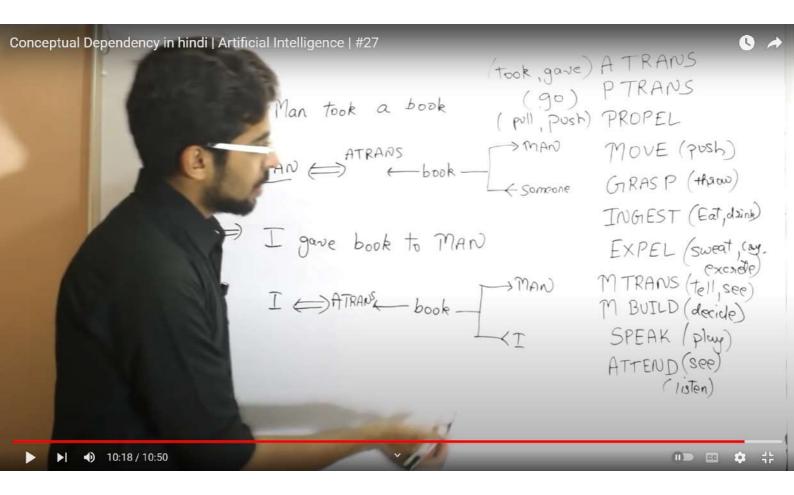
(2) Inheritance: Inherited all Values including default Values of the Slot.

(3) Legality of Value: Checks—the legalality of Range Constraint.

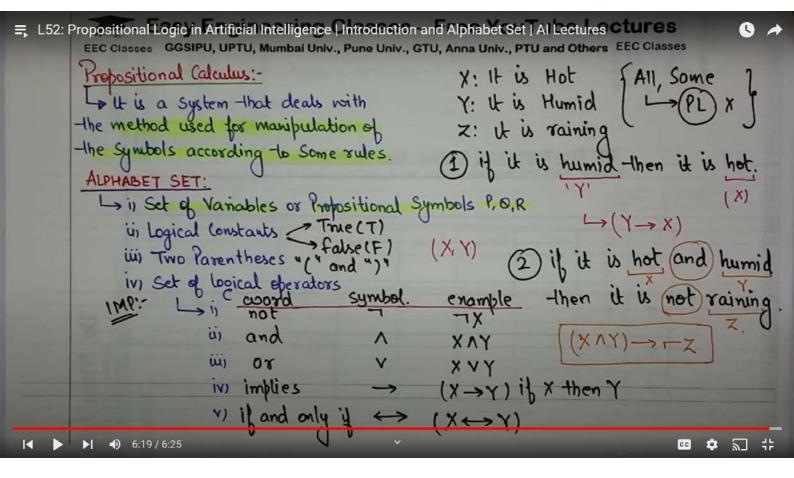
(4) Consistency Check: Venifying Slot Value Consistency before Domain adding to—the frame.

(5) Maintaining Consistency: when one Slot is updated its inverse Should also be updated.

(6) Computation of a Value of Slot: to—Compute transfers through.



72: Scripts for knowledge Representation Artificial Intelligence Co	emponents Al Lecturese Coaching
For Engineering Students of GGSIPU, UPTU and	The state of the s
Script is a structure—that prescribes a set of circumstances which could be enpected—to follow on from one another. La Considered to consist of a no. of Slots or frames but with more specialized roles.	(a) Results: Cond ⁿ -that will be true after event in Script. I filled_answer. Shout. (b) Track: Variations on the Script. I CAT I Enam_Centre AIEEE) (c) Scenes: Sequence of event that
Components of a SCRIPT:- (1) Roles: Persons involved in] Student. Event.	Getting allocated scal
2 Props: objects involved in Pen, i-cord, answer-sheet. Event. (3) Entry Conditions: Conditions that needs to Satisfied before event occur in Scr	-> contting answers → Subn
▶ ♦) 6:22 / 8:46	# # #



```
EEC Classes GGSIPU, UPTU, Mumbal Univ. Press [ex lorent hulls are no univ., PTU and Others EEC Classes

V) Set of equivalence relations or laws: (P, Q, R) are Variables.

L. Commutative laws: PAQ = QAP, PVQ = QVP

Associative laws: (PAQ) AR = PA(QAR), (PVQ)VR = PV(QVR)

Double Negation: ~ (~P) = P

Absorption law: PA(PVQ) = PPA PQ, P(PAQ) = PVPQ

Absorption law: PA(PVQ) = PAPQ

Absorption law: PA(PVQ) = PAPQ

Law of contradiction: PAP = Fabse P=1 ]  P=0 | D

Law of excluded middle: PVP = True P=1 | D

Law of impotency: PAP = P

Law of impotency: PAP = P
```

≡ , L53:	Propositional Logic Set of Equivalence Relation Rules of Inference (MODUS PONENS, TOLLENS)	0 *
	RULES OF INFERENCE:	
	L> @ MODUS PONENS: If 'P' and 'P → Q' is given to be true, - then we can	n
	infer-that 'Q' is true.	
	P: It is a holiday - (T)	
	a: The school is closed] - we can infer that it is true.	
	P: It is a holiday \(\tau\) Q: The school is closed] \(\to\) coe can infer that it is true. P-O: If it is a holiday, then school is closed \(\tau\)	
	@ Modus Tollens: If 'na' and' and' are given to be true, then w	ie
	Can infer that ~P is true.	
	if it is not a holiday then school is not closed.	
	22 ~05	
	[-> ~P] it is not a holiday (True)	
	▶ • • • • • • • • • • • • • • • • • •	2 11

