IT-567 : Reinforcement Learning (3-0-2-4)

Evaluation Components :-

In-Sem-1	22 %	(2 hrs)
In-Sem-2	23 %	(2 hrs)
End-Sem	25 %	(3 hrs)

→ slightly lengthy.

Laboratory :- 30 %

→ RL - An introduction 2nd edition

R.S. Sutton & A.G. Barto
available online.

→ online courses ⟨ → Indian - IITM. Prof. B. Ravindran (NPTEL)
→ US - Stanford Univ.

→ Mathematical Rigor - We avoid proofs. But if the audience show interest, we will do some of them.

Reinforce :- to make something stronger

Reinforcement :- making " stronger or extra people who are
sent to make an army, navy etc.
stronger
→ enhancement of behaviour

Cambridge :- It is also a way of influencing behaviour
through rewards & punishments.

Positive RF / negative RF.

↳ psychology
The term "reinforcement" may refer to anything that ↑
the prb. that a response will occur.

Positive RF :- giving a gift/reward for doing some action

negative RF :- something that can be removed to ↑ the response

ex- paying 90% loan amount, rest 10% is waived.

→ RL :- Computational approach to learning from interaction.

→ focussed on 'goal-directed' learning from interaction