(a) Overview of HGCL framework
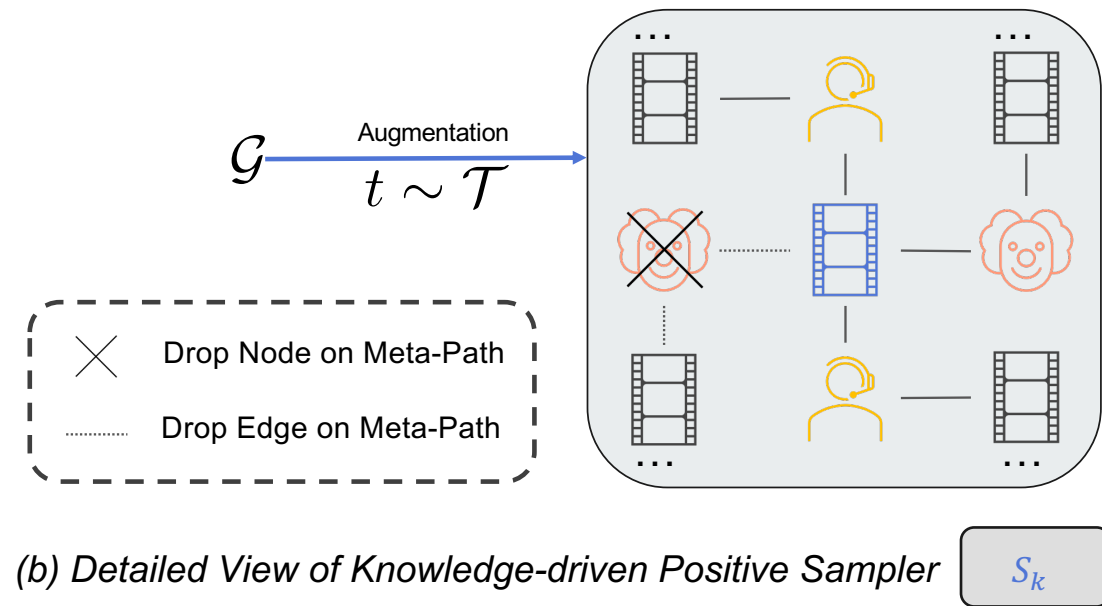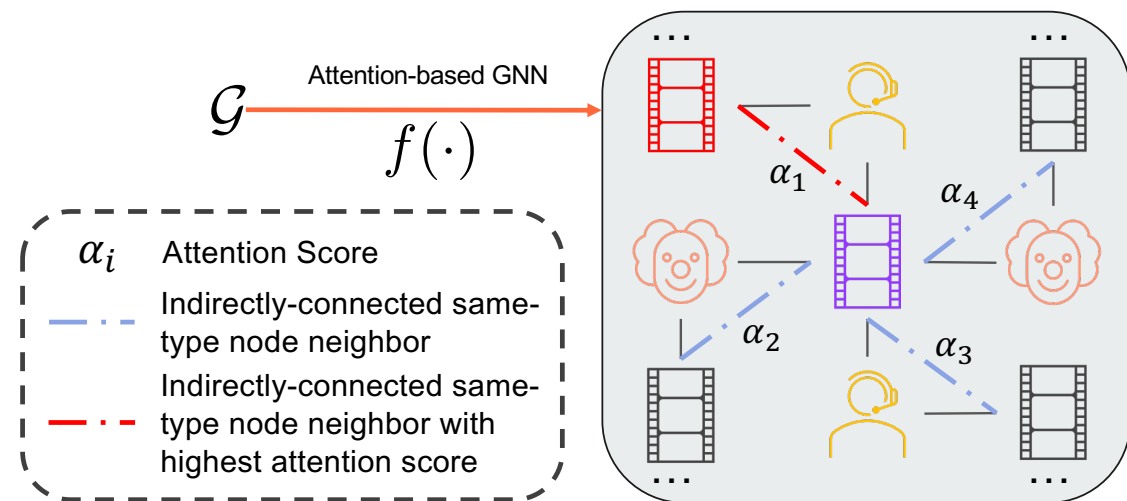
(b) Detailed View of Knowledge-driven Positive Sampler

(c) Detailed View of Data-driven Positive Sampler