A comparison of similar papers that solve the university timetabling problem.

Characteristics MirHassani

[2]

Dimopoulou and Miliotis [9]

Philips et al. [11]

Oladejo et al. [12]

Aladag and Hocaoglu [13]

Abuhamdah and Ayob [14]

Lu and Hao [15]

Abdullah et al. [19]

Chen and Shih [20]

Bolaji et al. [21]

Di Gaspero and Shaerf [25]

Qu and Burke [26]

Veenstra and Vis [27]

Lemos et al. [28]

Our work

Course timetabling Professor assignment

✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

✓ ✓ — — ✓ — — — — — — — ✓ — ✓

Schedule ✓ ✓ ✓ — ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ — ✓

Classroom/

space assignment Department level Institutional level

— ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ —

— ✓ — — ✓ — — — — — ✓ — — ✓ ✓

✓ ✓ ✓ ✓ — — — — — — — — ✓ — —

Exact method ✓ ✓ ✓ ✓ — — — — — — — — ✓ ✓ ✓

Nonexact

— ✓ — — ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ —

method