Detailed results of the proposed method

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1 Performance of the proposed method

Table 1: Performance of the proposed method at hierarchical framework Stage-1 by utilizing only relevant descriptors and a rate of update of $\beta = 1$ for (a) developer, (b) leader, and (c) both.

(a)				
		Estimated task		
		Doc.	Test	Other
рq	Doc.	0	0	0
rut	Test	0	0.96	0.04
Grc	Other	0	0.22	0.78
	Tot.		0.93	
		(b)		
		Est	imated	task
		Doc.	Test	Other
Ч	Doc.	0.99	0	0.01
rut	Test	0	1.00	0
Gr T	Other	0.12	0	0.88
-	Tot.		0.99	
		(c)		
		Est	imated	task
		Doc.	Test	Other
рq	Doc.	0.99	0	0.01
rut	Test	0	0.96	0.04
Grc	Other	0.06	0.12	0.82
	Tot.		0.94	

		(a)		
		Estimated task		
		Admin.	Leis.	Prog.
рq	Admin.	0.62	0	0.38
rut	Leis.	0	0	0
Gre	Prog.	0	0	1.00
	Tot.		0.98	
		(b)		
		Estin	nated t	ask
		Admin.	Leis.	Prog.
рq	Admin.	0.63	0.37	0
rut	Leis.	0	1.00	0
Grc	Prog.	0	0	0
	Tot.		0.94	
		(c)		
		Estin	nated t	ask
		Admin.	Leis.	Prog.
рq	Admin.	0.62	0.29	0.09
rut	Leis.	0	1.00	0
Grc tı	Prog.	0	0	1.00
	Tot.		0.96	

Table 2: Performance of the proposed method at hierarchical framework Stage-2 by utilizing only relevant descriptors and a rate of update of $\beta = 1$ for (a) developer, (b) leader, and (c) both.

2 Performance of the proposed method in non-hierarchical framework

(a)						
Estimated task						
		Doc.	Test	Admin.	Leis.	Prog.
$^{\mathrm{th}}$	Doc.	0	0	0	0	0
tru	Test	0	0.94	0	0	0.06
ŗ	Admin.	0	0.31	0.69	0	0
Inc	Leis.	0	0	0	0	0
Gr	Prog.	0	0.39	0	0	0.61
	Tot.		(0.89		
			(b)			
			Estim	ated task		
		Doc.	Test	Admin.	Leis.	Prog.
$^{\mathrm{th}}$	Doc.	0.96	0.02	0.01	0.01	0
tru	Test	0	1.00	0	0	0
jq	Admin.	0.44	0.02	0.54	0	0
Inc	Leis.	0	0	0.04	0.96	0
$\mathbf{G}_{\mathbf{r}}$	Prog.	0	0	0	0	0
	Tot.			0.95		
			(c)			
			Estim	ated task		
		Doc.	Test	Admin.	Leis.	Prog.
th	Doc.	0.96	0.02	0.01	0.01	0
tru	Test	0	0.94	0	0	0.06
pr	Admin.	0.34	0.09	0.57	0	0
Inc	Leis.	0	0	0.04	0.96	0
Ğr	Prog.	0	0.39	0	0	0.61
Tot. 0.91						

Table 3: Performance of the proposed method in non-hierarchical framework by utilizing only relevant descriptors and a rate of update of $\beta = 1$ for (a) developer, (b) leader, and (c) both.

3 Performance of the proposed method by utilizing all descriptors

Table 4: Performance of the proposed method at hierarchical framework Stage-1 by utilizing all descriptor	rs
and a rate of update of $\beta = 1$ for (a) developer, (b) leader, and (c) both.	

		(a)		
		Estimated task		
		Doc.	Test	Other
рд	Doc.	0	0	0
rut	Test	0	0.87	0. 13
Grc	Other	0	0.21	0.79
	Tot.		0.86	
		(b)		
		Est	imated	task
		Doc.	Test	Other
рq	Doc.	0.84	0.15	0.01
rut	Test	0	1.00	0
Grc	Other	0.01	0.09	0.90
	Tot.		0.85	
		(c)		
		Est	imated	task
		Doc.	Test	Other
рq	Doc.	0.84	0.15	0.01
rut	Test	0	0.87	0.13
Grc tı	Other	0.01	0.16	0.83
	Tot.		0.85	

Table 5: Performance of the proposed method at hierarchical framework Stage-2 by utilizing all descriptors and a rate of update of $\beta = 1$ for (a) developer, (b) leader, and (c) both.

		Estir Admin	nated to Leis	ask Prog
		numm.	LCIS.	1 10g.
рq	Admin.	1.00	0	0
rut	Leis.	0	0	0
Gre	Prog.	0.05	0	0.95
	Tot.		0.96	
		(b)		
		Estir	nated t	ask
		Admin.	Leis.	Prog.
рд	Admin.	1.00	0	0.00
rut	Leis.	0.04	0.96	0
Grc	Prog.	0	0	0
	Tot.		0.96	
		(c)		
		Estir	nated t	ask
		Admin.	Leis.	Prog.
рд	Admin.	1	0	0
uti	Leis.	0.04	0.96	0
Gro	Prog.	0.05	0	0.95
	Tot.		0.96	

4 Performance of the proposed method by utilizing a rate of update of $\beta \neq 1$

Table 6: Performance of the proposed method at hierarchical framework Stage-1 by utilizing only relevant descriptors and a rate of update of $\beta = 0$ for (a) developer, (b) leader, and (c) both.

		(a)		
		Estimated task		
		Doc.	Test	Other
рц	Doc.	0	0	0
rut	Test	0	0.88	0.12
Grc t	Other	0	0.30	0.70
	Tot.		0.85	
		(b)		
		Est	imated	task
		Doc.	Test	Other
рq	Doc.	0.98	0.01	0.01
rut	Test	0.14	0.86	0
Grc ti	Other	0.13	0.01	0.86
	Tot.		0.95	
		(c)		
		Est	imated	task
		Doc.	Test	Other
рд	Doc.	0.98	0.01	0.01
ut	Test	0	0.88	0.12
Gro tr	Other	0.06	0.17	0.77
	Tot.		0.89	

		(a)		
		Estimated task		
		Admin.	Leis.	Prog.
рq	Admin.	1.00	0	0
rut	Leis.	0	0	0
Gre	Prog.	0.07	0	0.93
	Tot.		0.96	
		(b)		
		Estir	nated t	ask
		Admin.	Leis.	Prog.
рц	Admin.	1.00	0	0
rut	Leis.	0.04	0.96	0
Gre	Prog.	0	0	0
	Tot.		0.96	
		(c)		
		Estir	nated t	ask
		Admin.	Leis.	Prog.
рд	Admin.	1.00	0	0
rut	Leis.	0.04	0.96	0
Grc	Prog.	0.07	0	0.93
_	Tot.		0.95	

Table 7: Performance of the proposed method at hierarchical framework Stage-2 by utilizing only relevant descriptors and a rate of update of $\beta = 0$ for (a) developer, (b) leader, and (c) both.

		(a)			
		Estimated task			
		Doc.	Test	Other	
рд	Doc.	0	0	0	
rut	Test	0	0.87	0.13	
Gre	Other	0	0.20	0.80	
	Tot.		0.86		
		(b)			
		Est	imated	task	
		Doc.	Test	Other	
рq	Doc.	0.96	0.02	0.02	
rut	Test	0	1.00	0	
Gre	Other	0.04	0.01	0.95	
	Tot.		0.96		
		(c)			
		Est	imated	task	
		Doc.	Test	Other	
рд	Doc.	0.96	0.02	0.02	
rut	Test	0	0.87	0.13	
Grc	Other	0.02	0.11	0.87	
_	Tot.		0.90		

Table 8: Performance of the proposed method at hierarchical framework Stage-1 by utilizing only relevant descriptors and a rate of update of $\beta = 0.5$ for (a) developer and (b) leader, and (c) both.

Table 9: Performance of the proposed method at hierarchical framework Stage-2 by utilizing only relevant descriptors and a rate of update of $\beta = 0.5$ for (a) developer, (b) leader, and (c) both.

		Estimated task		
		Admin.	Leis.	Prog.
рд	Admin.	0.92	0	0.08
rut	Leis.	0	0	0
Grc	Prog.	0.03	0	0.97
	Tot.	0.96		
		(b)		
		Estimated task		
		Admin.	Leis.	Prog.
und	Admin.	1	0	0
	Leis.	0.04	0.96	0
Grc	Prog.	0	0	0
	Tot.	0.96		
		(c)		
		Estimated task		
		Admin.	Leis.	Prog.
und ruth	Admin.	0.98	0	0.02
	Leis.	0.04	0.96	0
Grc	Prog.	0.03	0	0.97
	Tot.		0.96	

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