

**Lab 02, Work study and method engineering, 20th March, 2024**

Random method				Basic Time from Random Methods of Hannan Ahmed	=	6.75	Minutes	=	0.1125	Allowance
Hannan Ahmed Siddiqui	Zunaria Ramzan	Barria Qasim	Abubakar Atiq	Basic Time from Random Methods of Zunaria Ramzan	=	7.45	Minutes	=	0.124167	0.15
6.5	6.9	5.28	7.9	Basic Time from Random Methods of Barria Qasim	=	5.53	Minutes	=	0.092167	
7	8	5.78	9	Basic Time from Random Methods of Abubakar Atiq	=	8.45	Minutes	=	0.140833	

Standard Method						Standard time = Basic Time X Rating factor(1+Allowance) Standard time is also called SAM(Standard allowed minutes) Target=Shift time X No. Of machine or operator/SAM				
Hannan Ahmed Siddiqui	Zunaria Ramzan	Barria Qasim	Abubakar Atiq							
7.89	6	6.5	7							
6.19	6.28	6.51	7.28							
Basic Time from Standard methods of Hannan Ahmed				=	7.04	Minutes	=		0.117333	
Basic Time from Standard methods of Zunaria Ramzan				=	6.14	Minutes	=		0.102333	
Basic Time from Standard methods of Barria Qasim				=	6.505	Minutes	=		0.108417	
Basic Time from Standard methods of Abubakar Atiq				=	7.14	Minutes	=		0.119	

Standard time of Hannan from Random method(min)	=	0.129375
Standard time of Zunaria from Random method(min)	=	0.142792
Standard time of Barria from Random method(min)	=	0.105992
Standard time of Abubakar from Random method(min)	=	0.161958

Target achieved by Hannan from Random Method	=	3710.145
Target achieved by Zunaria from Random Method	=	3361.541
Target achieved by Barria from Random Method	=	4528.658
Target achieved by Abubakar from Random Method	=	2963.725

Standard time of Hannan from Standard method(min)	=	0.134933
Standard time of Zunaria from Standard method(min)	=	0.117683
Standard time of Barria from Standard method(min)	=	0.124679
Standard time of Abubakar from Standard method(min)	=	0.13685

Target Achieved by Hannan from standard method	=	3557.312
Target Achieved by Zunaria from standard method	=	4078.742
Target Achieved by Barria from standard method	=	3849.881
Target Achieved by Abubakar from standard method	=	3507.49