

Employee Scheduling Application using MS Excel

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Customer Testimonial:

“Paltech Solutions went above our expectations in creating an employee scheduling system. The program is very smart and schedules over 200 employees based on skills, availability, job difficulty, and other factors. This saves us many hours of repetitive work every week. They provided an excellent level of customer service throughout the project.”


Jeff MacVicar

Customer Requirement:

- Create an Excel Application that populates a schedule based on worker training record, worker attendance, and specific jobs/zones that must be filled
- All jobs/zones must be filled with qualified employees that meet the training requirements
- All present employees must be assigned unique shifts in one day
- Program must notify user if a job/zone does not get filled
- Be able to schedule over 200 employees filling 80 jobs/zones

Our Solution:

- The created application met all customer requirements
- The application schedules over 200 employees in over 80 jobs/zones with a click of a button
- The user interface was designed to be simple and dummy proof
- Our solution saves our client many hours of tedious scheduling everyday

Schedule						information@Paltechsolutions.com		Station					
(A or P)	Name	7am-9am	9am-11am	11am-1pm	1pm-3pm			7am-9am	9am-11am	11am-1pm	1pm-3pm	Total	
P	ADAM KAYE	N/A	N/A	N/A	PRE ENG 1L		PRE ENG 1L	1	1	0	1	3	
P	Alex Carroz	RAD SUB	X	CR - 3R	PE - 6R		PRE ENG 1R	1	1	1	1	4	
P	AMY BRENNEMAN	PE - 13R	ML - 6R	CR - 11L			Eng Pick	1	1	1	1	4	
P	Angella Longo	ML - 11R	RAD SUB	X	PE - 1L		Trans Pick	1	0	1	1	3	
P	Anita Ryksen	PE - 17L	CR - 11L	Eng Pick	ML - 11R		PE - 1L	1	1	1	1	4	
P	Annette Tanaszczuk	CR - 3L	X	X	PRE ENG 1R		PE - 3L	1	0	1	1	3	
P	BARRY DUBOULAY	PE - 3R	SR - 1	ML - 4R			PE - 3R	1	1	1	1	4	
P	BEA TOMA	X	PE - 3R	SUB CR 2R	PE - 7R		PE - 6R	1	1	1	1	4	
P	BEN LOBYEN	ML - 7R	X	CR - 12R			PE - 7R	1	1	1	1	4	
P	Brad Bruce	CR - 7R	PE - 11L	ML - 7R	Trans Pick		PE - 11L	1	1	0	1	3	
P	Cal Bragg	ML - 5R	X	CR - 7R	CR - 3R		PE - 11R	1	1	1	1	4	
P	CARL CYWINK	CR - 9L	X	PE - 3R	ML - 6L		PE - 12L	1	1	1	0	3	
P	Chris Kuron	PE - 1L	CR - 4L	ML - 2R	CR - 14L		PE - 13R	1	1	1	0	3	
P	Dan O'Donohue	ML - 11L	PE - 15L	X	Eng Pick		PE - 13L	1	1	1	0	3	
P	DARREN KIRKLAND	SUB CR 7R	CR - 1R	PE - 11R	ML - 8L		PE - 15L	1	1	0	0	2	
P	Dave Araujo	Trans Pick	X	PE - 17L	CR - 1R		PE - 17L	1	1	1	0	3	
P	DAWN RICHARDS	ML - 3L	CR - 3L	CR - 9L	ML - 9R		SL - 1	1	0	1	0	2	
P	DEB VYSE	PE - 15L	ML - 11L	SL - 2			SL - 2	1	1	1	1	4	
P	DEBBIE STRIGHT	SUB CR 7L	ML - 5L	SR - 2	CR - 9R		SR - 1	1	1	1	0	3	
P	Doug Ecker	SL - 1	ML - 8L	X	CR - 5R		SR - 2	1	1	1	1	4	
P	ED HUTSON	ML - 9L	SUB CR 1L	PE - 1L			SUB CR 1L	1	1	1	1	4	
P	EMERSON DESOUZA	ML - 4L	CR - 14L	PRE ENG 1R	PE - 3L		SUB CR 2R	1	0	1	1	3	
P	HEATHER MEYERS	PRE ENG 1R	ML - 6L	RAD SUB			SUB CR 7L	1	1	1	1	4	
P	JAMIE FLANNIGAN	PE - 11L	ML - 3L	ML - 9R	CR - 7R		SUB CR 7R	1	1	1	1	4	
P	JEANETTE NEWLAND	PE - 11R	CR - 13L	ML - 8R			ML - 2R	1	0	1	1	3	
P	JEANNIE BOURGAN	PE - 7R	SL - 2	ML - 6L	CR - 7L		ML - 3L	1	1	0	1	3	
P	JEFF GRANT	CR - 1L	PE - 13R	CR - 5L	ML - 2R		ML - 4R	1	0	1	0	2	
P	JEN RED	Eng Pick	PE - 17L	CR - 7L	ML - 6R		ML - 4L	1	1	1	0	3	
P	JESSICA BROWNSCOMBE	ML - 2R	PE - 1L	CR - 14L	CR - 4L		ML - 5R	1	0	0	0	1	
P	JOSE NEYRA	SUB CR 2R	CR - 12R	CR - 1L			ML - 5L	1	1	1	1	4	
P	JOSEPH ACRE	ML - 7L	X	PE - 13R	CR - 3L		ML - 6L	1	1	1	1	4	
P	Josh Gregory	CR - 9R	SUB CR 7L	PE - 3L			ML - 6R	0	1	1	1	3	
P	Laurie Cupples	CR - 11L	X	SUB CR 7L	ML - 5L		ML - 7L	1	1	1	0	3	
P	Laurie Kern	SL - 2	X	PE - 7R			ML - 7R	1	0	1	0	2	
P	Lindsay Thomas	CR - 1R	X	ML - 8L	SUB CR 7R		ML - 8L	1	1	1	1	4	
P	Liria Pulido	ML - 9R	PE - 12L	Trans Pick			ML - 8R	1	0	1	0	2	
P	LORI SMITH	PE - 3L	ML - 11R	CR - 9R	SUB CR 7L		ML - 9L	1	1	0	1	3	
P	MAIDA HUGGETT	ML - 6L	PRE ENG 1R	SUB CR 7R	RAD SUB		ML - 9R	1	0	1	1	3	
P	Marie Greer	PE - 12L	ML - 4L	CR - 1R			ML - 11L	1	1	1	0	3	
							ML - 11R	1	1	0	1	3	

Create Schedule

Sort Schedule

Set Print Area

Print

Instructions:

1. Check the required time slots
2. Click "Create Schedule" button
3. Click "Sort Schedule"

Note:

- 1- Training MTX is on sheet 2,
 - 2- Names are automatically copied
 - 3- Up to 80 stations and 250
 - 4- Program may get slower for larger
 - 5- repetitive names are not allowed
 - 6- repetitive stations are not allowed
 - 7- Press Esc to stop the program
- Training less than 3

Program Sample Screenshot