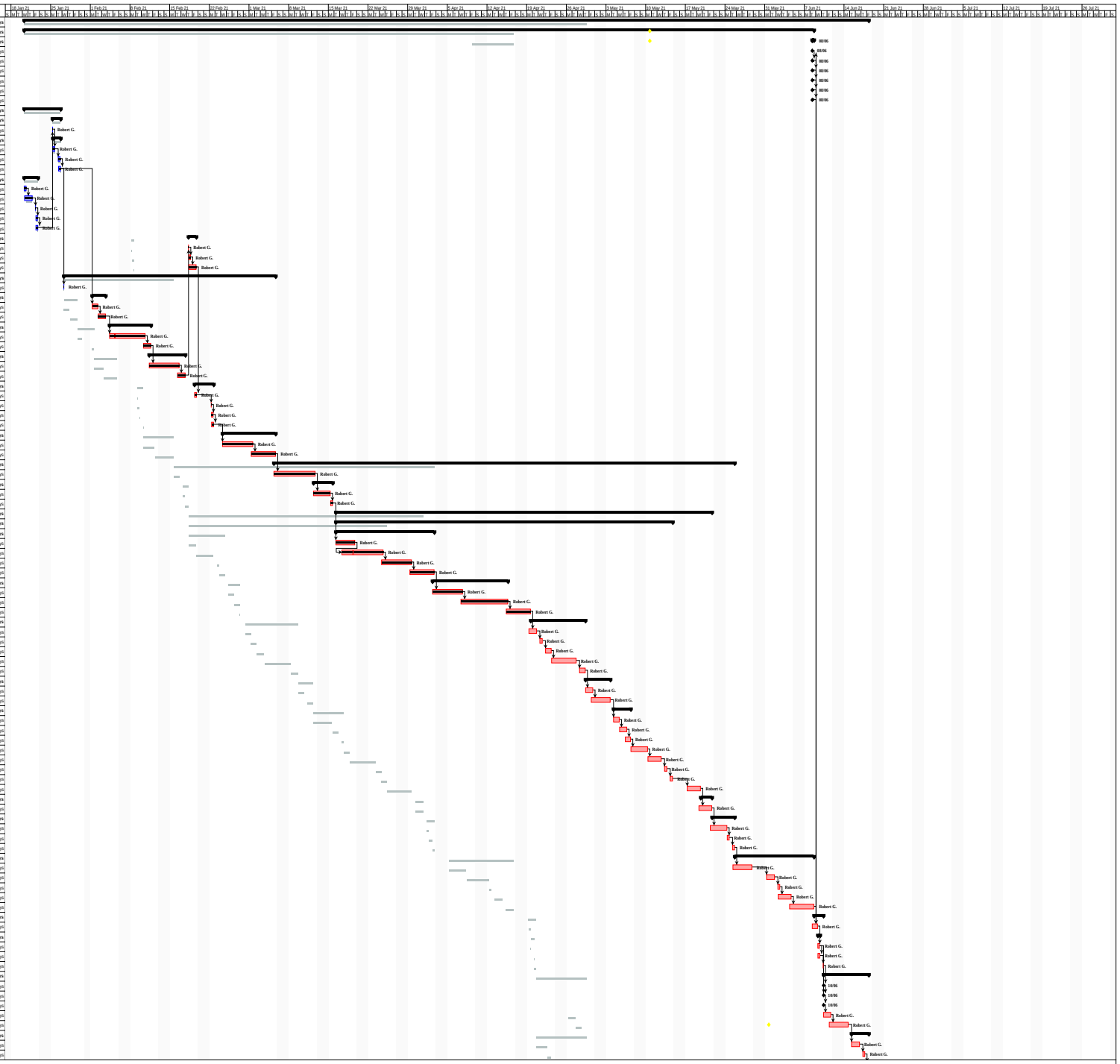
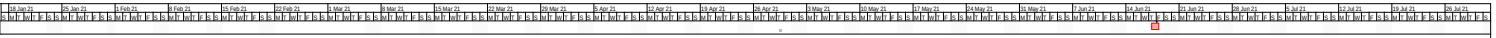
		Name	Work	Task...	Start	Actual Start	Percent...	Finish	Actual Finish	Predecessors	Type	Resource Names	Free Slack
1		**Projekt Programu Powtórkowego**	**318.2 ho...**		**20/01/21 ...**		**59 %**	**18/06/...**			**Fixed Units**		**0 days**
2		**Prace przygotowawcze**	**20 hours**		**20/01/21 ...**		**100 %**	**08/06/...**	**08/06/21 18:00**		**Fixed Work**		**0 days**
3		**Przygotowanie do pisania pracy**	**0 hours**		**08/06/21 ...**		**0 %**	**08/06/...**			**Fixed Work**		**0 days**
4		Konfiguracja LaTeX Overleaf	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 10:00	91	Fixed Units		0 days
5		Przygotowanie szablonu LaTeX	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 18:00	4	Fixed Work	Robert G.	0 days
6		Przygotowanie strony tytusowej	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 18:00	5	Fixed Work	Robert G.	0 days
7		Przygotowanie spisu treci	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 18:00	6	Fixed Work	Robert G.	0 days
8		Abstract	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 18:00	7	Fixed Work	Robert G.	0 days
9		Abstract po angielsku	0 hours	mine	08/06/21 1...	08/06/21 10:00	100%	08/06/2...	08/06/21 18:00	8	Fixed Work	Robert G.	0 days
10		**Przygotowanie merytoryczne**	**15 hours**		**20/01/21 ...**		**100 %**	**26/01/...**	**26/01/21 19:00**		**Fixed Units**		**3.667 days**
11		**Raport o istniejcych systemach**	**6 hours**		**25/01/21 ...**		**100 %**	**26/01/...**	**26/01/21 19:00**		**Fixed Units**		**3.667 days**
12		Lista istniejcych systemów	1 hour	mine	25/01/21 0...	25/01/21 08:00	100%	25/01/2...	25/01/21 09:00	22	Fixed Work	Robert G.	0 days
13		**Charakterystyka istniejcych ...**	**5 hours**		**25/01/21 ...**		**100 %**	**26/01/...**	**26/01/21 19:00**		**Fixed Units**		**3.667 days**
14		Zalety	2 hours	mine	25/01/21 0...	25/01/21 09:00	100%	25/01/2...	25/01/21 19:00	12	Fixed Work	Robert G.	0 days
15		Wady	2 hours	mine	26/01/21 0...	26/01/21 08:00	100%	26/01/2...	26/01/21 18:00	14	Fixed Work	Robert G.	0 days
16		Wnioski	1 hour	mine	26/01/21 1...	26/01/21 10:00	100%	26/01/2...	26/01/21 19:00	15	Fixed Work	Robert G.	0 days
17		**Przegld literatury o nauczaniu ...**	**9 hours**		**20/01/21 ...**		**100 %**	**22/01/...**	**22/01/21 19:00**		**Fixed Units**		**3.667 days**
18		Przygotowanie listy prac naukowych	2 hours	mine	20/01/21 0...	20/01/21 08:00	100%	20/01/2...	20/01/21 18:00		Fixed Work	Robert G.	0 days
19		Lektura wytypowanych opracowan	4 hours	mine	20/01/21 1...	20/01/21 10:00	100%	21/01/2...	21/01/21 19:00	18	Fixed Work	Robert G.	0 days
20		Podsumowanie - Rola pamici w ro...	1 hour	mine	22/01/21 0...	22/01/21 08:00	100%	22/01/2...	22/01/21 09:00	19	Fixed Work	Robert G.	0 days
21		Podsumowanie - Uwarunkowania p...	1 hour	mine	22/01/21 0...	22/01/21 09:00	100%	22/01/2...	22/01/21 18:00	20	Fixed Work	Robert G.	0 days
22		Podsumowanie - Krzywa zapomina...	1 hour	mine	22/01/21 1...	22/01/21 10:00	100%	22/01/2...	22/01/21 19:00	21	Fixed Work	Robert G.	0 days
23		**Przegld technologii**	**5 hours**		**18/02/21 ...**		**100 %**	**19/02/...**	**19/02/21 18:00**		**Fixed Work**		**-1.333 days**
24		Przegld techn. Frontendowej	1 hour	mine	18/02/21 0...	18/02/21 08:00	100%	18/02/2...	18/02/21 09:00	37	Fixed Work	Robert G.	-1.333 days
25		Przegld techn. Backendowej	1 hour	mine	18/02/21 0...	18/02/21 09:00	100%	18/02/2...	18/02/21 18:00	24	Fixed Work	Robert G.	-1.333 days
26		Przegld techn. Mobile	3 hours	mine	18/02/21 1...	18/02/21 10:00	100%	19/02/2...	19/02/21 18:00	25	Fixed Work	Robert G.	-1.333 days
27		**Projekt architektury systemu**	**68.2 hours**		**27/01/21 ...**		**100 %**	**05/03/...**	**05/03/21 18:00**		**Fixed Units**		**74.667 days**
28		Nazwa systemu	1 hour	mine	27/01/21 0...	27/01/21 08:00	100%	27/01/2...	27/01/21 09:00	16	Fixed Work	Robert G.	105 days
29		**Opracowanie algorytmów systemu**	**8 hours**		**01/02/21 ...**		**100 %**	**03/02/...**	**03/02/21 18:00**		**Fixed Units**		**-0.333 days**
30		Algorytm selekcji hase do nauki	4 hours	mine	01/02/21 0...	01/02/21 08:00	100%	02/02/2...	02/02/21 09:00	16	Fixed Work	Robert G.	-0.333 days
31		Algorytm wyznaczania powtórek	4 hours	mine	02/02/21 0...	02/02/21 09:00	100%	03/02/2...	03/02/21 18:00	30	Fixed Work	Robert G.	-0.333 days
32		**Specyfikacja wymaga**	**13.2 hours**		**04/02/21 ...**		**100 %**	**11/02/...**	**11/02/21 18:00**		**Fixed Units**		**-1.333 days**
33		Wymagania funkcjonalne	10.2 hours	mine	04/02/21 1...	04/02/21 10:00	100%	10/02/2...	10/02/21 18:00	31	Fixed Work	Robert G.	-1.333 days
34		Wymagania niefunkcjonalne	3 hours	mine	10/02/21 1...	10/02/21 10:00	100%	11/02/2...	11/02/21 18:00	33	Fixed Work	Robert G.	-1.333 days
35		**Projekt interfejsu uytkownika**	**13 hours**		**11/02/21 ...**		**100 %**	**17/02/...**	**17/02/21 19:00**		**Fixed Units**		**-1.333 days**
36		Diagramy LOFI	9 hours	mine	11/02/21 1...	11/02/21 10:00	100%	16/02/2...	16/02/21 18:00	34	Fixed Work	Robert G.	-1.333 days
37		Projekty poszczególnych interfejsów	4 hours	mine	16/02/21 1...	16/02/21 10:00	100%	17/02/2...	17/02/21 19:00	36	Fixed Work	Robert G.	-1.333 days
38		**Wybór technologii**	**4 hours**		**18/02/21 ...**		**100 %**	**22/02/...**	**22/02/21 19:00**		**Fixed Units**		**-1.333 days**
39		Wybór techn. Front-end	1 hour	mine	18/02/21 1...	18/02/21 10:00	100%	18/02/2...	18/02/21 19:00	26	Fixed Work	Robert G.	-1.333 days
40		Wybór techn. Back-end	1 hour	mine	22/02/21 0...	22/02/21 08:00	100%	22/02/2...	22/02/21 09:00	39	Fixed Work	Robert G.	-1.333 days
41		Wybór techn. Mobile	1 hour	mine	22/02/21 0...	22/02/21 09:00	100%	22/02/2...	22/02/21 18:00	40	Fixed Work	Robert G.	-1.333 days
42		Wybór Bazy danych	1 hour	mine	22/02/21 1...	22/02/21 10:00	100%	22/02/2...	22/02/21 19:00	41	Fixed Work	Robert G.	-1.333 days
43		**Model bazy danych**	**29 hours**		**24/02/21 ...**		**100 %**	**05/03/...**	**05/03/21 18:00**		**Fixed Units**		**-2.333 days**
44		Diagramy ERD	17 hours	mine	24/02/21 0...	24/02/21 08:00	100%	01/03/2...	01/03/21 18:00	42	Fixed Work	Robert G.	-2.333 days
45		Relacje	12 hours	mine	01/03/21 1...	01/03/21 10:00	100%	05/03/2...	05/03/21 18:00	44	Fixed Units	Robert G.	-2.333 days
46		**Implementacja systemu**	**177 hours**		**05/03/21 ...**		**56 %**	**25/05/...**			**Fixed Units**		**0 days**
47		Implementacja Bazy danych	15 hours	mine	05/03/21 1...	05/03/21 10:00	100%	12/03/2...	12/03/21 18:00	45	Fixed Work	Robert G.	-2.333 days
48		**Przygotowanie IDE**	**4 hours**		**12/03/21 ...**		**100 %**	**15/03/...**	**15/03/21 19:00**		**Fixed Units**		**-2.333 days**
49		Konfiguracja IDE dla aplikacji webowej	2 hours	mine	12/03/21 1...	12/03/21 10:00	100%	15/03/2...	15/03/21 09:00	47	Fixed Work	Robert G.	-2.333 days
50		Konfiguracja IDE dla aplikacji mobilnej	2 hours	mine	15/03/21 0...	15/03/21 09:00	100%	15/03/2...	15/03/21 19:00	49	Fixed Work	Robert G.	-2.333 days
51		**Implementacja moduów systemu**	**152 hours**		**16/03/21 ...**		**53 %**	**21/05/...**			**Fixed Units**		**0 days**
52		**Implementacja moduów Back-...**	**138 hours**		**16/03/21 ...**		**58 %**	**14/05/...**			**Fixed Units**		**0 days**
53		**Obsuga konta uytkownika**	**47 hours**		**16/03/21 ...**		**100 %**	**02/04/...**	**02/04/21 18:00**		**Fixed Units**		**0 days**
54		Rejestracja	11 hours	mine	16/03/21 0...	16/03/21 08:00	100%	19/03/2...	19/03/21 18:00	50	Fixed Work	Robert G.	-2.333 days
55		Logowanie	15 hours	mine	17/03/21 0...	17/03/21 09:00	100%	24/03/2...	24/03/21 18:00	54	Fixed Work	Robert G.	0 days
56		Usuwanie konta	9 hours	mine	24/03/21 1...	24/03/21 10:00	100%	29/03/2...	29/03/21 18:00	55	Fixed Work	Robert G.	0 days
57		Obsuga zespoów uczniów - klas	12 hours	mine	29/03/21 1...	29/03/21 10:00	100%	02/04/2...	02/04/21 18:00	56	Fixed Work	Robert G.	0 days
58		**Import danych**	**27 hours**		**02/04/21 ...**		**100 %**	**15/04/...**	**15/04/21 18:00**		**Fixed Units**		**0 days**
59		Import jednostkowy	9 hours	mine	02/04/21 1...	02/04/21 10:00	100%	07/04/2...	07/04/21 18:00	57	Fixed Work	Robert G.	0 days
60		Import masowy	18 hours	mine	07/04/21 1...	07/04/21 10:00	100%	15/04/2...	15/04/21 18:00	59	Fixed Work	Robert G.	0 days
61		Poczenie z baz danych	6 hours	mine	15/04/21 1...	15/04/21 10:00	100%	19/04/2...	19/04/21 18:00	60	Fixed Work	Robert G.	0 days
62		**Zarzdzanie uczniami**	**23 hours**		**19/04/21 ...**		**0 %**	**29/04/...**			**Fixed Units**		**0 days**
63		Zarzdzanie skadem klasy	4 hours	mine	19/04/21 1...		0%	20/04/2...		61	Fixed Work	Robert G.	0 days
64		Przydzielenie zestawów lekcyjnych	3 hours	mine	21/04/21 0...		0%	21/04/2...		63	Fixed Work	Robert G.	0 days
65		kontrola postpów	4 hours	mine	23/04/21 0...		0%	23/04/2...		64	Fixed Work	Robert G.	0 days
66		Przeprowadzanie testów zprawd...	8 hours	mine	23/04/21 0...		0%	27/04/2...		65	Fixed Work	Robert G.	0 days
67		Kontakt z uczniem	4 hours	mine	28/04/21 0...		0%	29/04/2...		66	Fixed Work	Robert G.	0 days
68		**Implementacja algorytmów**	**8 hours**		**29/04/21 ...**		**0 %**	**03/05/...**			**Fixed Units**		**0 days**
69		Implementacja algorytmu selekcji...	4 hours	mine	29/04/21 0...		0%	30/04/2...		67	Fixed Work	Robert G.	0 days
70		Implementacja algorytmu powtórek	4 hours	mine	30/04/21 1...		0%	03/05/2...		69	Fixed Work	Robert G.	0 days
71		**Faza nauki**	**10 hours**		**04/05/21 ...**		**0 %**	**07/05/...**			**Fixed Work**		**0 days**
72		Prezentacja materiau	4 hours	mine	04/05/21 0...		0%	05/05/2...		70	Fixed Work	Robert G.	0 days
73		Procesi opanowania pamiciowego	4 hours	mine	05/05/21 0...		0%	06/05/2...		72	Fixed Work	Robert G.	0 days
74		Proces przeaczenia	2 hours	mine	06/05/21 1...		0%	07/05/2...		73	Fixed Work	Robert G.	0 days
75		Faza powtórki	3 hours	mine	07/05/21 0...		0%	10/05/2...		74	Fixed Work	Robert G.	0 days
76		Statystyki	8 hours	mine	10/05/21 0...		0%	12/05/2...		75	Fixed Work	Robert G.	0 days
77		Eksport danych	3 hours	mine	13/05/21 0...		0%	13/05/2...		76	Fixed Work	Robert G.	0 days
78		Routing	3 hours	mine	14/05/21 0...		0%	14/05/2...		77	Fixed Work	Robert G.	0 days
79		Bezpieczestwo	8 hours	mine	17/05/21 0...		0%	19/05/2...		78	Fixed Work	Robert G.	0 days
80		**Implementacja moduów Front...**	**6 hours**		**19/05/21 ...**		**0 %**	**21/05/...**			**Fixed Units**		**0 days**
81		Szablony widoków	6 hours	mine	19/05/21 1...		0%	21/05/2...		79	Fixed Work	Robert G.	0 days
82		**Wdroenie systemu**	**6 hours**		**21/05/21 ...**		**0 %**	**25/05/...**			**Fixed Units**		**0 days**
83		Wybór hostingu	2 hours	mine	21/05/21 1...		0%	24/05/2...		81	Fixed Work	Robert G.	0 days
84		Konfiguracja bazy danych	2 hours	mine	24/05/21 0...		0%	24/05/2...		83	Fixed Work	Robert G.	0 days
85		Przeniesienie danych	2 hours	mine	25/05/21 0...		0%	25/05/2...		84	Fixed Work	Robert G.	0 days
86		**Testowanie systemu**	**30 hours**		**25/05/21 ...**		**0 %**	**08/06/...**			**Fixed Units**		**0 days**
87		Testy funkcjonalne	10 hours	mine	25/05/21 1...		0%	28/05/2...		85	Fixed Work	Robert G.	0 days
88		Testy integracyjne	6 hours	mine	31/05/21 0...		0%	01/06/2...		87	Fixed Work	Robert G.	0 days
89		Testy akceptacyjne	2 hours	mine	02/06/21 0...		0%	02/06/2...		88	Fixed Work	Robert G.	0 days
90		Testy zabezpieczenie	6 hours	mine	02/06/21 1...		0%	04/06/2...		89	Fixed Work	Robert G.	0 days
91		Wprowadzenie poprawek	6 hours	mine	04/06/21 1...		0%	08/06/2...		90	Fixed Work	Robert G.	0 days
92		**Wnioski**	**5 hours**	**mine**	**08/06/21 ...**		**0 %**	**18/06/...**			**Fixed Work**		**0 days**
93		Odniesienie do tematu pracy	2 hours	mine	08/06/21 1...		0%	09/06/2...		91,9	Fixed Work	Robert G.	0 days
94		**Ocena biecego stanu systemu**	**2 hours**	**mine**	**09/06/21 ...**		**0 %**	**09/06/...**			**Fixed Work**		**0 days**
95		Analiza zrealizowanych funkcjonalnoci	1 hour	mine	09/06/21 0...		0%	09/06/2...		93	Fixed Work	Robert G.	0 days
96		Analiza funkcjonalnoci nieznaleziono...	1 hour	mine	09/06/21 1...		0%	09/06/2...		95	Fixed Work	Robert G.	0 days
97		Kierunki dalszego rozwoju systemu	1 hour	mine	10/06/21 0...		0%	10/06/2...		96	Fixed Work	Robert G.	0 days
98		**Zaczniki**	**18 hours**		**10/06/21 ...**		**0 %**	**18/06/...**			**Fixed Work**		**0 days**
99		Bibliografia	0 hours	mine	10/06/21 0...	10/06/21 09:00	100%	10/06/2...	10/06/21 09:00	97	Fixed Work	Robert G.	0 days
100		Specyfikacja wymaga	0 hours	mine	10/06/21 0...	10/06/21 09:00	100%	10/06/2...	10/06/21 09:00	99;95	Fixed Work	Robert G.	0 days
101		Dokumentacja systemu	0 hours	mine	10/06/21 0...	10/06/21 09:00	100%	10/06/2...	10/06/21 09:00	100	Fixed Work	Robert G.	0 days
102		Dokumentacja wdroeniowa	4 hours	mine	10/06/21 0...		0%	11/06/2...		101	Fixed Work	Robert G.	0 days
103		Dokumentacja powdroeniowa	4 hours	mine	11/06/21 1...		0%	14/06/2...		102	Fixed Work	Robert G.	0 days
104		**Istrukcja uytkowania**	**10 hours**		**15/06/21 ...**		**0 %**	**18/06/...**			**Fixed Work**		**0 days**
105		Instrukcja ucznia	6 hours	mine	15/06/21 0...		0%	16/06/2...		103	Fixed Work	Robert G.	0 days
106		Instrukcja nauczyciela	2 hours	mine	17/06/21 0...		0%	17/06/2...		105	Fixed Work	Robert G.	0 days



		Name	Work	Task...	Start	Actual Start	Percent...	Finish	Actual Finish	Predecessors	Type	Resource Names	Free Slack
107		Oddanie pracy dyplomowej	2 hours	mine	17/06/21 1...		0%	18/06/2...		106	Fixed Units		0 days