

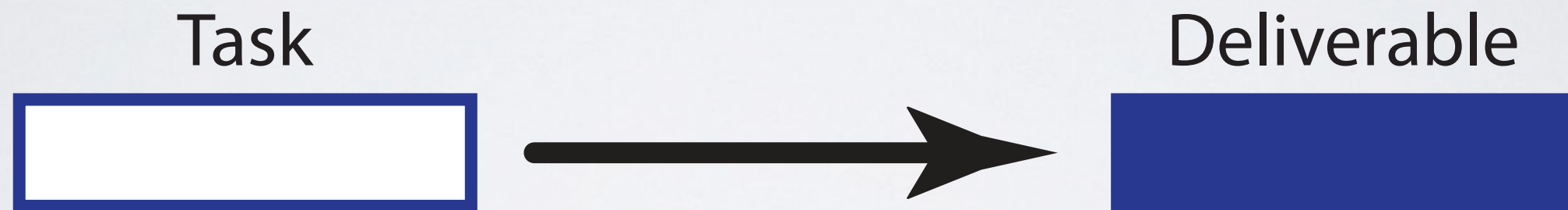
PROFESSIONALISM IN ENGINEERING

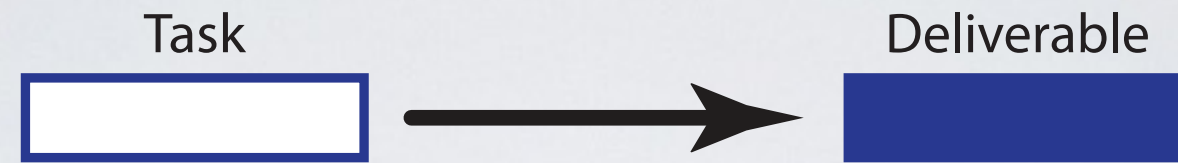
The Engineer Accelerator
Malcolm Knapp

Academic Work	Professional Work
After the deadline you are done	You are not done until the work is done
There is partial credit	There is no partial credit
You can fail a class	You will have another chance to get it right
You do something completely different every few months	You will do variations on the same thing
You create your work for your self and for your teacher	Other people will use you work
There is a standard to compare to	Everyone is just making it up

WHAT DOES IT MEAN TO BE A
PROGRESSIONAL ENGINEER?

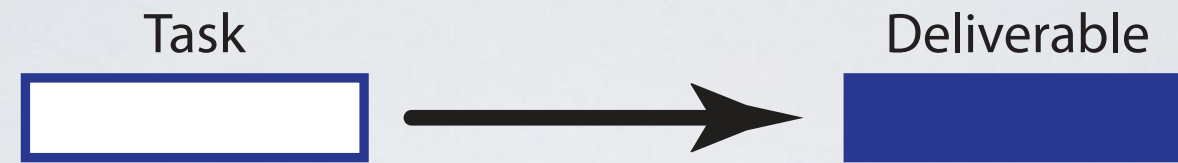
WORK





You know if you are behind in
your tasks or not

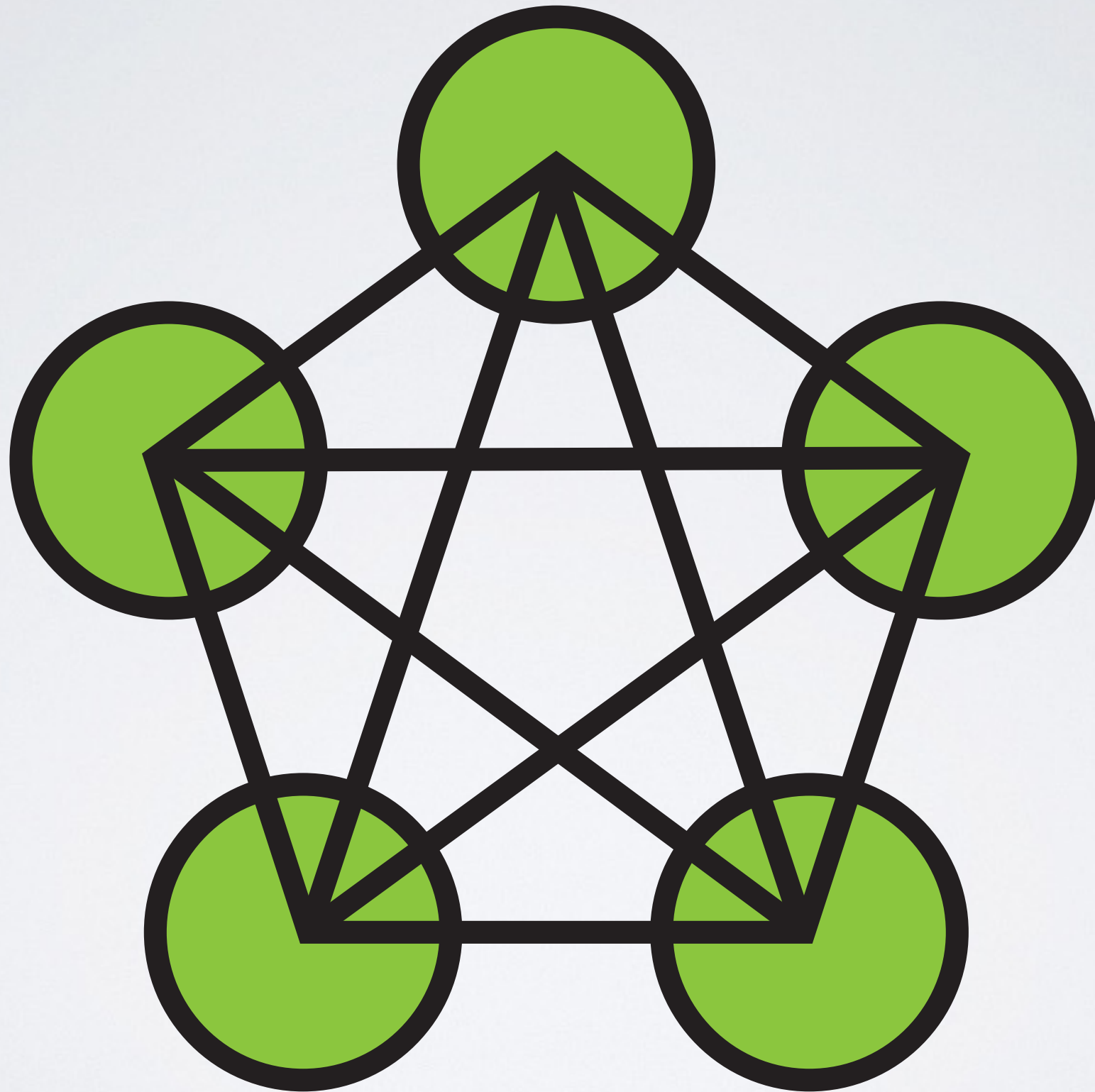
You can make a reasonable
estimate of when a task will be
complete

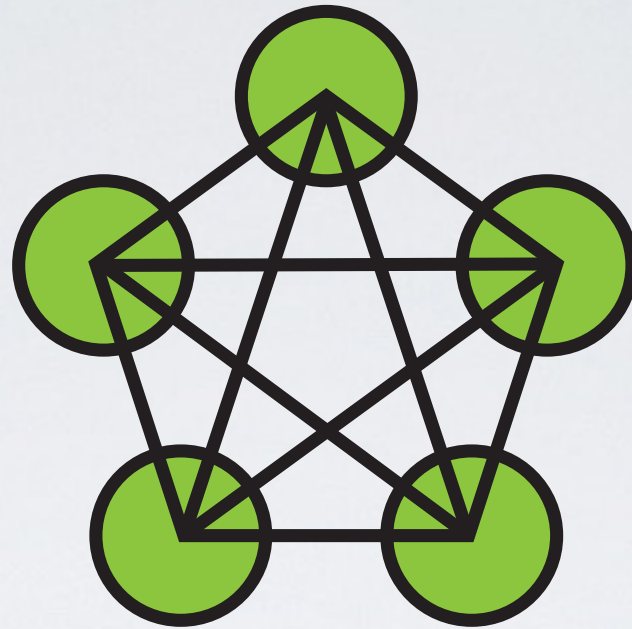


You produce work that other people can understand without asking questions

You produce work that other people can use without fixing anything

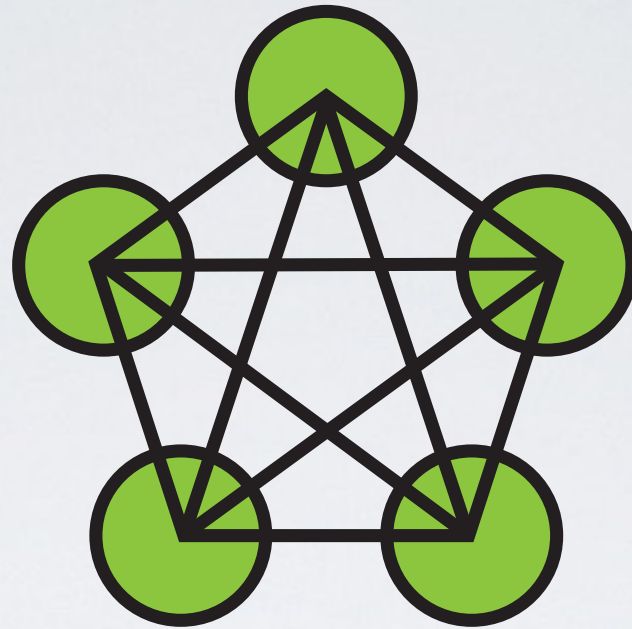
TEAM WORK





You know when a decision has not
been made

You know how to make a
compelling engineering argument



You do the dishes

You can work with someone
you do not like

PROJECT WORK





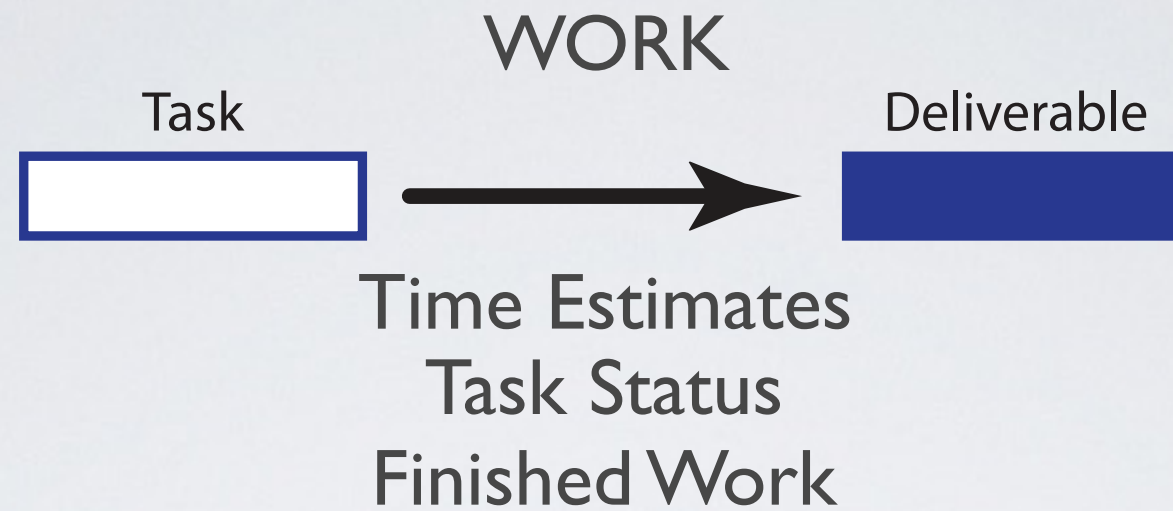
Most of the time you will be
uncertain there is an answer

The thing you are working on
will not be working most of the
time

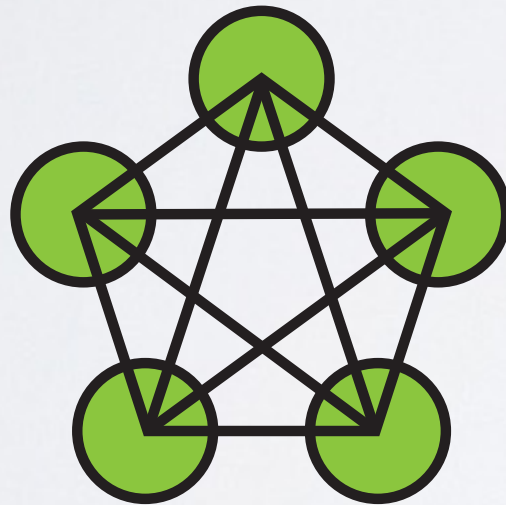


Everything will change and then
change again

You will work outside of your training



TEAM WORK



Compelling Engineering Arguments
Decision Making
Lost Tasks

PROJECT WORK



Not Working
Constant Change
Outside of Expertise