Project Gantt Chart

Task	Task Owner	Schedule (week / color)
Logistics		
Design presentation	Everyone	09/24 (green)
Design review/report	Everyone	10/01 (green)
Interim demo	Everyone	10/29 (green)
Final presentation	Everyone	11/26 (yellow)
iOS Application		
Create dummy app in XCode and load onto phone	Jaden	10/01 (green)
Create home page of the application		10/01 (green)
Add camera/upload image feature to app	Jaden	10/08 (green)
Create frontend models of components	Jaden	10/15, 10/29 (green)
Construct circuit from netlist	Jaden	10/29–11/05 (green)
Add user value input and construct circuit from netlist with labelled simulation values	Jaden	11/05 (cyan)
Computer Vision		
Research image detection	Everyone	09/17 (green)
Identify fundamental algorithms to use	Stephen	09/24 (green)
Generate sub images of components from user image	Stephen	10/01 (green)
Write code for identifying all components (50% accuracy)	Stephen	10/08 (green)
Integrate sub image generation with individual component detection and generate list of edges	Stephen	10/15 (green)
Generate five most-matching circuits	Stephen	10/29 (green)
Tune parameters and experiment with image preprocessing to increase accuracies to 80%	Stephen	11/05 (red)
Same as above, but to 90%	Stephen	11/12 (red)
Test integration with circuit drawings	Everyone	11/12 (yellow)
Circuit simulator		
Create circuit data structure to send to/from app and CV algorithm	Everyone	09/17 (green)
Research Modified Nodal Analysis	Devan	09/24 (green)
Parse through and read netlist	Devan	10/01 (green)
Create required data structures to conduct basic analysis	Devan	10/08 (green)
Detect valid/invalid circuit	Devan	10/15 (green)
Analyse circuits with voltage source(s) + resistor(s)	Devan	10/29 (green)
Create diode, switch, current source components	Devan	11/05 (pink)
Analyse circuit with all components	Devan	11/12 (pink)
Integration/Final Testing		
Create wrappers to interface backend with frontend	Jaden	11/05 (cyan)
Test pipeline from CV -> simulator	Jaden	11/12 (cyan)
Test pipeline from simulator -> frontend	Jaden	11/12 (cyan)
Test full pipeline	Jaden	11/12 (cyan)
Slack	Everyone	11/26 (yellow)

Week columns: 09/17, 09/24, 10/01, 10/08, 10/15, 10/22, 10/29, 11/05, 11/12, 11/19, 11/26 (each divided S M T W R F S)