

Weekly Team Zoom Meeting 04/30

(Inter group meeting)

Attendees

Dr.Ay, Dr.Li, Xueren Wang, Wei Hu, Zhicai Li, Yanqin Huang, Yuhang Dai

Agenda

- Rehearsal the recorded presentations
- Budget summary

Notes

- Points for attention
 - Everyone's PPT recorded video time does not exceed 4 minutes, the camera should be turned on when recording, so that the face appears in the lower right corner of the screen.
 - When explaining the video, everyone needs to pronounce clearly and speak appropriately.
 - In addition to some data analysis, everyone should avoid adding too much text in the PPT.
 - If you encounter problems in recording video, you can check this

URL for a solution:

<https://support.office.com/en-us/article/record-a-slide-show-with-narration-and-slide-timings-0b9502c6-5f6c-40ae-b1e7-e47d8741161c>

- Budget summary
 - Plan A

Capstone Design

Combined BOM and Manufacturing Plan - Template

Indented Bill of Materials (BOM)			Manufacturing Plan						Cost		
Part No. or Assy No.	Description	Quantity	Make or Buy?	Source (or Fabrication Location)	Fabrication Technique (if appl.)	Is the Drawing Avail.?	Is the Material Avail.?	Who will lead (Name)?	Target Completion Date	Unit Cost (\$)	Extended Cost (\$)
Full Assy 1											\$ -
	lens holder	4	make	3D printer		yes	yes	Wang	31-Mar		\$ -
	Product Packaging	4	make	3D printer		yes	yes	Huang	10-Apr		\$ -
Subassembly 1-Plan A											\$ -
Part 1	TR module testing board-PCB	5	buy	China		yes	yes	Hu	7-Mar	\$ 10.00	\$ 50.00
Part 2	TR module testing board-Assembly	5	make	VLSI Lab		yes	yes	Hu	14-Mar		\$ -
Part 3	Photodiode BPX61	5	buy	Online				Dai	7-Mar	\$ 10.00	\$ 50.00
Part 4	LED	5	buy	Online				Dai	Purchased	\$ 2.00	\$ 10.00
Part 5	TR module product-PCB	5	buy	China		yes	yes	Hu	31-Mar	\$ 10.00	\$ 50.00
Part 6	TR module product-Assembly	5	make	VLSI Lab		yes	yes	Hu	7-Apr		\$ -
Total BOM Cost										\$	160.00

- Plan B

Capstone Design
 Combined BOM and Manufacturing Plan - Template

Indented Bill of Materials (BOM)			Manufacturing Plan						Cost		
Part No. or Assy No.	Description	Quantity	Make or Buy?	Source (or Fabrication Location)	Fabrication Technique (if appl.)	Is the Drawing Avail.?	Is the Material Avail.?	Who will lead (Name)?	Target Completion Date	Unit Cost (\$)	Extended Cost (\$)
Full Assy 1											\$ -
	lens holder	4	make	3D printer		yes	yes	Wang	30-Mar		\$ -
	product packaging	4	make	3D printer		no	yes	Wang	10-Apr		\$ -
Subassembly 1-Plan B PD circuit											\$ -
Part 1	TIA module	1	buy	online		yes	yes	Dai	30-Mar	\$ 12.00	\$ 12.00
Part 2	Plano-convex lens-D=20mm F=25mm	1	buy	online		yes	yes	Dai	30-Mar	\$ 15.00	\$ 15.00
	D=15mm F=25	1	buy	online		yes	yes	Dai	30-Mar	\$ 15.00	\$ 15.00
Part 3	450nm Band-pass filter	1	buy	online		yes	yes	Dai	30-Mar	\$ 20.00	\$ 20.00
Part 4	Active low-pass filter	1	buy	online		yes	yes	Dai	30-Mar	\$ 30.00	\$ 30.00
Part 5	Photodiode BPx61	1	buy	online		yes	yes	Dai	30-Mar	\$ 10.00	\$ 10.00
Subassembly 2-Plan B LED circuit											\$ -
Part 6	CMOS inverter-74HC14	1	buy	online		yes	yes	Dai	30-Mar	\$ 0.57	\$ 0.57
Part 7	LED	1	buy	online		yes	yes	Dai	Purchased	\$ 10.00	\$ 10.00
Part 8	Resistor, Capacitor	1	buy	online		yes	yes	Dai	Purchased	\$ 0.50	\$ 0.50
Total BOM Cost										\$	113.07

Capstone Design
 Combined BOM and Manufacturing Plan - Template

Indented Bill of Materials (BOM)			Manufacturing Plan						Cost		
Part No. or Assy No.	Description	Quantity	Make or Buy?	Source (or Fabrication Location)	Fabrication Technique (if appl.)	Is the Drawing Avail.?	Is the Material Avail.?	Who will lead (Name)?	Target Completion Date	Unit Cost (\$)	Extended Cost (\$)
Full Assy 1											\$ -
Part 1	PCB+SMT	1	buy	Online		yes	yes	Hu	10-April	\$ 120.00	\$120.00
Part 2	Photodiode	3	buy	Online		yes	yes	Hu	11-April	\$ 10.00	\$ 30.00
Part 3	LED	3	buy	Online		yes	yes	Hu	12-April	\$ 0.50	\$ 1.50
Part 4	lens	3	buy	Online		yes	yes	Hu	13-April	\$ 6.00	\$ 18.00
Part 5	Power bank	3	buy	Online		yes	yes	Hu	14-April	\$ 10.00	\$ 30.00
Total BOM Cost										\$	199.50

Action items:

- Finish some final course deliverables