Activity	Description	Preceding Activity	Time
A	**REQUIREMENT AND ANALYSIS PHASE** 1- Gather requirements 2- Identify hardware & software needs 3- Define privacy & security constraints 4- Identify user flow and interaction logic 5- Create project schedule and assign tasks	None	10 workdays
B	**System Design Phase** 1- Design user interface and user experience (UI/UX) for the extension 2- Design system architecture (AI model → processing → extension UI) 3- Prepare prototypes 4- Review and approval of design	A	12
C	**AI MODEL INTEGRATION PHASE** 1- Select pre-trained eye-tracking AI model 2- Validate model performance and accuracy 3- Test model locally 4- Ensure privacy (processing on-device, no data storage)	B	15
D	**EXTENSION DEVELOPMENT** • Develop browser extension core logic (Chrome/Edge/Firefox) • Implement UI components for popup/settings • Implement performance optimizations (CPU/GPU usage) Implement AI eye-tracking pipeline inside the extension • Integration with frontend	B	20
E	**TESTING PHASE** • Unit testing (AI model + extension features) • Integration testing (AI + camera + extension logic) • User testing (stability, responsiveness) • Bug fixing and optimization	D, C	15
F	**DEPLOYMENT & OPTIMIZATION** • Package and publish extension to Chrome Web Store	C	15

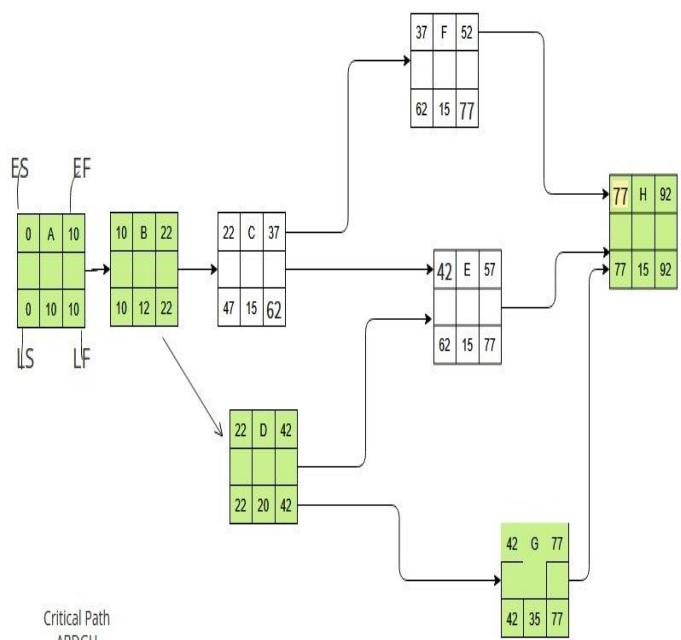|			
G	**DOCUMENTATION & TRAINING** **• Prepare user guide (how to enable camera, how to use features)** **• Prepare technical documentation (AI model, pipeline, architecture)** **Submit final documentation**	D	35
H	**FINAL HANDOVER** **• Final review meeting and approval** **• Handover to stakeholder**		

ES   EF

0	A	10
0	10	10

LS   LF

10	B	22
10	12	22

22	C	37
47	15	62

37	F	52
62	15	77

22	D	42
22	20	42

42	E	57
62	15	77

42	G	77
42	35	77

77	H	92
77	15	92

Critical Path
ABDGH

Time of project is 92 days