

Team	Robot / platform	Robot weight	Robot size	Commercial manufacturer / standard	Base / mobile platform	Base customizations (if any)	Base DoF / drive	Base payload	Base max speed	Arm	Arm customizations (if any)	Arm DoF	Arm payload	Hand	Hand customizations (if any)	Hand DoF	Hand payload	ROS2 version	Speech recognition	Speech synthesis	Foundation models / FM-like models	Notes	
EDC Oiva	Wuku 4	50 kg	57 x 57 x 130 cm	Custom robot, sensor ASUS ROG Strix, IQAR, sensors from Hanyu/LabRim/RealSense/Stereolab	Custom omnidirectional base	Custom	3-DoF omnidirectional	Not stated	Not stated	2x humanoid robot arms	Custom	2 x 7-DoF	Not stated	Not stated in appendix (arm-end hand/gripper details not explicitly given)	Not stated	Not stated	Not stated	ROS 2 Jazzy	OpenAI Whisper-large-v3-turbo (Whisper-LiveKit)	Meta-LLM (TTS)	LLM (VLLM) OpenAI GPT-4o, CLIP-ViT-B/16, Whisper-large-v3-turbo	Right arm delayed due to shipping according to TDP.	
FAMBOT	Robot FAMBOT	24 kg	1.5 x 0.5 x 0.5 m	Base: Humarman	Humarman	Commercial	Not stated (omni base)	Not stated	10 m/s	5-DoF arm with parallel-jaw gripper	Not stated	5-DoF	0.5 kg	Parallel-jaw gripper	Not stated	1-DoF (parallel-jaw, inferred) / not explicitly stated	Not stated	ROS 2 (distribution not explicitly stated, Ubuntu 22.04, ROS 2 version not stated)	Google Cloud Speech-to-Text API	Google Text-to-Speech (TTS)	Google Gemini 2.0 Flash API	TDP says "Robot Operating System 2 (ROS 2)" but does not name the distro.	
FBDFHome	BOBS	58 kg	1.48 x 0.59 m (height x width; depth not stated)	Base: SHARK mobile base arm; Interbotix W600K-200	SHARK mobile base	Commercial / team-integrated	Not stated	Not stated	Not stated	Interbotix W600K-200	Commercial	5-DoF	Not stated	Integrated W600K gripper	Commercial	Not stated	Not stated	ROS 2	OpenAI Whisper-large-v3-turbo (Whisper-LiveKit)	Meta-LLM (TTS)	No explicit foundation model named in hardware/software appendix	Head is highly expressive (12 DoF) but not counted as manipulator.	
Happy Robot	Happy Edu	18 kg	0.9 x 0.4 x 0.4 m	Base: PFM Kachaba	Kachaba	Commercial base + custom expansion modules	Differential pair	Not stated	0.8 m/s	Current arm 4-DoF (TDP notes 6-DoF arm under development)	Custom / under development	4-DoF current, 6-DoF planned	0.5 kg	Current hand 1 DoF; separate 4MS foot-manipulation hand for 4 primitives	Custom	1-DoF current; 4MS hand adds linear motion for 4 primitives	Not stated	ROS 2 (Ubuntu 22.04, ROS 2 version not stated)	Whisper	Meta-LLM (TTS)	ChatGPT API, SAM, Detec, Grounding DINO, Whisper	Appendix hardware is for Happy Edu platform; team research section also discusses specialized hands and TDP lists remote RTX 5000/AD000 resources for heavy compute.	
Inter-United	RB-YI	131 kg	1.88 x 0.8 x 0.89 m	Base: Rainbow Robotics RB-YI	RB-YI integrated differential-drive base	Commercial	2-wheel differential-drive with rear caster	Not stated	1.5 m/s	Dual integrated arms	Commercial integrated	2 x 7-DoF	Not stated	Integrated end-effectors on RB-YI (not further specified)	Commercial integrated	Not stated	Not stated	ROS 2	Whisper-v3	Meta-LLM (TTS)	Google Gemini 3, Grounding-SAM2, Whisper-v3		
LASR	PAL Robotics TAGo Steel	72 kg	110-140 cm height; 54 cm footprint diameter	Base: PAL Robotics TAGo Steel	TAGo Steel differential base	Commercial	Differential drive	Not stated	10 m/s	Integrated TAGo arm	Commercial integrated	7-DoF	Not stated	TAGo gripper	Commercial integrated	Not stated	Not stated	ROS 2	Whisper	Meta-LLM (TTS)	Sentence Transformer, YOLOv11, SAM2, CLIP	Middleware is ROS Noetic, not ROS 2.	
LITeX United	Booster T1 humanoid	Not stated	Not stated	Booster Robotics T1 humanoid hands replaced with InperRobotics EQ2-402 electric grippers	Booster T1 integrated humanoid base	Commercial base; humanoid hand replacement platform noted	Humanoid blend	Not stated	Not stated	Integrated T1 arms	Commercial integrated	Not stated	Not stated	EQ2-402 electric grippers	Commercial replacement	Not stated	Not stated	ROS2	Whisper; Vokk; Google TTS; meta-LLM (TTS) or lightweight local engines such as Kokoro	Meta-LLM (TTS)	Grounding-SAM2, GPT-5	TDP explicitly says to base hardware modifications; only hands replaced.	
Pequi Medicina	Mis Pegg	Not stated	0.44 x 0.50 x 1.33 m	Base: Clearpath Jackal UGV, end effector: Trossen gripper	Clearpath Jackal UGV	Commercial base	Not stated in appendix	Not stated	Not stated	6-DoF arm attached to aluminum cage	Not stated	6-DoF	Not stated	Standard Trossen gripper	Commercial	Not stated	750 g	ROS 2 Humble	Parakeet-CTO	FastSpeech	Meta-LLM (TTS)	Fast object/human detection all listed as YOLO11.	
PumaliHome	Justine	40 kg	1.8 x 0.5 x 0.5 m	Base: Festo RobiLine 4	Festo RobiLine 4	Commercial base + custom expansion modules	Omnidirectional	Not stated	10 m/s	Dual anthropomorphic arms	Custom	2 x 6-DoF	5 kg	Not explicitly specified	Not stated	Not stated	Not stated	ROS 2 Jazzy	Vokk	eSpeak	None explicitly named in appendix	Head is 2-DoF expressive eyes.	
PuLoT Robotics	Runa	30 kg	1.4 x 0.8 x 0.8 m	Custom robot; sensors include Intel RealSense D435, D455, Hokuyo UTM-30LX	Wheel base (differential pair)	Custom + team-built	Differential pair	Not stated	2.8 m/s	7-DoF (1-DoF torso + 6-DoF manipulator)	Not stated	7-DoF total	Not stated	Not explicitly specified	Not stated	Not stated	Not stated	ROS 2 Humble	Whisper; Vokk	audio common	GPT-4o, CLIP, Detec	Object recognition (Meta-LLM, CLIP, YOLOv8).	
RibVerges iHome	FRIDA	40 kg	180 cm height; 50 x 42 cm base footprint	Base: modified EAI Daugh3 B1; arm: iArm 6	Modified EAI Daugh3 B1	Commercial base; modified	Differential drive	Not stated	Not stated	iArm 6	Commercial	6-DoF	Not stated	Custom 3D-printed 2-finger parallel gripper	Custom	1-DoF (parallel-jaw, inferred) / not explicitly stated	Not stated	ROS 2 Humble	Whisper; Live with faster-whisper; OpenAI Whisper for keyword spotting	Kokoro-EM	LLM: L2; sentence-transformers/all-MiniLM-L6-V2; Moonstream; GroundingDINO; Segment Anything; Whisper; Meta-LLM (TTS)	Team also lists YOLO11 and YOLO in detection stack. Perception field also uses YOLOv8 and MetaPose.	
RoboCave-VISAGE	Toyota HSR	Not stated	Not stated	Toyota Human Support Robot (HSR)	Toyota HSR integrated mobile base	Commercial	HSR base (not further specified in TDP)	Not stated	Not stated	HSR integrated arm	Commercial integrated	Not stated in TDP	Not stated	HSR integrated gripper	Commercial integrated	Not stated	Not stated	ROS (version not stated)	Custom Whisper model	Amazon Polly	Whisper; OpenAI LLM	TDP focuses more on social interaction and planning than on hardware specs.	
TRAL	Toyota HSR	Not stated	Not stated	Toyota Human Support Robot (HSR)	Toyota HSR integrated base	Commercial; no modifications stated	HSR base (not further specified)	Not stated	Not stated	HSR integrated arm	Commercial integrated	Not stated	Not stated	HSR integrated gripper	Commercial integrated	Not stated	Not stated	Not stated	Whisper (with Silero VAD front-end)	Meta-LLM (TTS)	Whisper; GPT-4o; Detec; CLIP; CLIP-Field	TDP explicitly presents a foundation-model-centric system.	
RobuEHome	New-Hero	Base: 143 kg torso; 127 kg manipulator; 109 kg component; 10 kg total	Not fully stated	Custom holonomic platform + custom 6-DoF arm; display Samsung Galaxy Tab S8 Lite	Holonomic mecatron platform	Custom	Holonomic mecatron	Not stated	Not stated	Custom 6-DoF arm + prismatic lift	Custom	6-DoF + 1 prismatic lift	Not stated	Flex gripper	Custom	Not stated	Not stated	ROS 2 Humble	Whisper; backup Google Speech API	PiperVoice	ChatGPT API, Whisper	Video stack lists YOLOv11, MetaPose, Detec, appendix gives component-level masses rather than total mass.	
SKIBA	CheeseCake	20 kg	1.12 x 0.7 x 0.8 m	Base: Kobuki / TurtleBot2-derived	Kobuki (TurtleBot 2)	Commercial base + custom torso/manipulator	Differential drive	Not stated	0.7 m/s	4-DoF arm	Custom	4-DoF	1 kg	3D-printed adaptive gripper	Custom	Not stated	Not stated	ROS 2 Jazzy	Vokk; TS	None	TS		
SOBITS	SOBIT HOME	Not stated	Apron: 0.6 m width; height adjustable; 2.40 cm stroke	Custom robot developed by SOBITS	4-wheel independent steering base	Custom	Steered drive	Not stated	Not stated	Dual arms	Custom	2 x 7-DoF	10 Nm per arm (as written finger configuration is TDP)	Selectable 2-finger / 3-finger configuration	Custom	Not stated	Not stated	ROS 2 Jazzy	OpenAI Whisper	OpenAI / Kokoro TTS	Genie; ROS (core/robot); MetaCPM-2; Gemini API; Whisper; LLM via OpenAI / Gemini	TDP explicitly mentions chain-of-thought planning with LLMs.	
SochRobHome	Customized TAGo	72 kg	110-140 cm height; 54 cm footprint	PAL Robotics TAGo + Robotic 2F-140 gripper	TAGo differential base	Commercial platform; customized	Differential drive	Not stated	1.0 m/s	Integrated TAGo arm	Commercial integrated	7-DoF	2.8 kg	Robotic 2F-140	Commercial	1-DoF (parallel-jaw) gripper (TDP says not explicit)	Not stated	ROS 2 Humble	OpenAI Whisper	Meta-LLM (TTS)	SAME; LLM-based planning module	Perception also uses YOLOv8.	
TJek	T-JARVIS	Not stated	180 cm height; 50 x 50 cm	Manipulator model RML63-B; head model AG-105-145; LiDAR (LalBeam1)	Differential drive chassis	Commercial	Differential drive	Not stated	Not stated	RML63-B robotic arm	Commercial / model specified	6-DoF	3 kg rated load	Not clearly specified	Not stated	Not stated	Not stated	ROS (based, version not stated)	Funck Speech Recognition	Funck engine (TDP table lists says speech generation uses Funck speech recognition engine)	LLM-based semantic parsing engine (model not named)	Software lists Linux + ROS Navigation Package + YOLO + Babel-Face Recognition + YouSee Translation. Navigation field also mentions RL for unmappped environments.	
LARHome	CHAMEL	80 kg	360 x 360 x 1430-1570 mm	Arm: UFACTORY vArm; custom arms base and torso	Custom omnidirectional wheeled drive	Custom	Omnidirectional wheeled drive	Not stated	Not stated	UFACTORY vArm	Commercial	6-DoF	Not stated	Gripper not clearly named; wrist camera D455 listed	Not stated	Not stated	Not stated	ROS 2 Humble	Whisper	OpenAI	ChatGPT API		
TBOts	Toyota HSR	Not stated	Not stated	Toyota Human Support Robot (HSR)	Toyota HSR integrated base	Commercial	Not stated	Not stated	Not stated	HSR integrated arm	Commercial integrated	Not stated	Not stated	HSR integrated gripper with contact sensor mentioned	Commercial integrated	Not stated	Not stated	Not stated	Not explicitly named in TDP	Not stated	LLM (Llama3.1) used in constrained manner; CLIPv1 mentioned as comparison/example; not necessarily deployed	TDP is research-centric and does not provide a full appendix-style HSR table.	
Tinker	Tinker	50 kg	0.40 x 0.40 x 1.6 m	Base: Agix; Torser Mini; arm: UFACTORY vArm; gripper: UFACTORY gripper	Agix; Torser Mini	Commercial base	Not stated	Not stated	2.0 m/s	UFACTORY vArm	Commercial	7-DoF	5 kg	UFACTORY gripper	Commercial	Not stated	Not stated	ROS 2 Humble	OpenAI Whisper	Couplets	GroundingDINO; SAM; GPT-4o; OpenChat; AnyDrap	Manipulation stack lists MoveIt2, AnyDrap, CuMotion, simulation SAM2X.	
UNSW i-INGWisp	Toyota HSR and Fourier GR-1	Not stated	Not stated	Toyota HSR; Fourier GR-1 humanoid	HSR base and GR-1 humanoid locomotion	Commercial platforms	HSR mobile base; GR-1 full body with 33 DoF control mentioned	Not stated	Not stated	HSR integrated arm; GR-1 integrated arms	Commercial integrated	GR-1: full-body control; 33 DoF mobile arm DoF not separately mentioned	Not stated	GR-1: 8-DoF hands mentioned; HSR gripper	Commercial integrated	GR-1 hands; 8-DoF each	Not stated	Not stated	ROS 2 Humble; wrappers for GR-1 hand and robot control	OpenAI Whisper; Vokk	Kokoro TTS	LLM (Llama3.1) used in constrained manner; CLIPv1 mentioned as comparison/example; not necessarily deployed	TDP is research-centric and does not provide a full appendix-style HSR table.
UT Austin Vite W Home	Cobot MoMa	Not stated	Not stated	Custom mobile manipulator with cobot base and Kinova arm	Cobot base	Not fully specified	Not stated	Not stated	Not stated	Kinova arm	Commercial	Not stated	Not stated	Not explicitly specified	Not stated	Not stated	Not stated	ROS 2 Humble; Nav2; Stack and MoveIt used	OpenAI Whisper; Vokk	Kokoro TTS	GroundingSAM2; GPT-4o; Whisper	Team is transitional from HSR to Fourier GR-1 humanoid. Platform runs on NVIDIA Jetson Linux with Azure Kinect.	
WrightExpAI	Galaxee R1-Lite; XINGCHEN	R1-Lite: 70 kg; XINGCHEN: 70 kg	R1-Lite: 1200 mm height; XINGCHEN: 1335 mm height	Galaxee R1-Lite; XINGCHEN humanoid platform	R1-Lite 6-DoF vector chassis; XINGCHEN 6-DoF chassis	Commercial base; arch humanoid platform	6-DoF vector / 6-DoF chassis	Not stated	Not stated	Integrated arms on both humoids	Commercial integrated	R1-Lite: 2 x 6-DoF; XINGCHEN: 2 x 6-DoF	Not stated	R1-Lite: low-finger gripper; XINGCHEN: flexible gripper; supports 2-finger or 3-finger configuration	Integrated / custom configuration	Not stated	Not stated	Supports ROS1/ROS2 (version not stated)	OpenAI Whisper + Silero	Sherpa-ONNX + VITS	VLM - AnyVerse (named in architecture figure); faster-whisper	TDP provides less robot hardware description; not fully clear which platform is primary for Soch.	
WrightExpHome	Modified PAL Robotics TAGo; Omni Edition; possibly Univee G1 EDU U4	Not stated	Not stated	PAL Robotics TAGo; Omni Edition; Univee G1 EDU U4	TAGo; Omni Edition; Univee G1 humanoid	Commercial platforms; modified	TAGo; omnidirectional; Univee G1 humanoid	Not stated	Not stated	TAGo; dual arms	Commercial integrated	2 x 7-DoF	Not stated	TAGo; integrated gripper; Univee G1 integrated hands	Commercial integrated	Not stated	Not stated	ROS 2 Humble; Whisper + multilingual speech recognition model	Couplets	GPT-4o; CLIP; VIT; Theia; SAM2; Grounding DINO; Whisper		TDP explicitly mentions a 200 mm height extension. Custom CO2LDR; 128 and RTX A5000 compute.	
WRovera ReHyd	Univee G1 with Amazing Hand2 (Pulver Robotics); TDP also references Toyota HSR if appropriate	Not stated	Not stated	Univee G1; Pulver Robotics Amazing Hand2	Univee G1 humanoid	Commercial humanoid + commercial hand	Humanoid-typed	Not stated	Not stated	Univee G1 integrated arms	Commercial integrated	Not stated	Not stated	Amazing Hand2	Commercial	Not stated	Not stated	Not stated	Not stated in appendix	OpenAI API services; Detec; Five-tuned open-VLA model SAM; Mten		Appendix page is software-centric; speech stack not explicitly listed there.	
WrightExpMushHome	Arm: HSR mecatronics; gripper height approx. 0.75-1.35 m	Not stated	Not stated	Toyota Human Support Robot (HSR)	Differential-drive base with two wheels and two casters	Commercial integrated	Differential drive	Not stated	Not stated	HSR integrated arm	Commercial integrated	5-DoF	Not stated	HSR gripper with tactile sensors	Commercial integrated	Not stated	Not stated	ROS 2 Humble	Whisper + VAD	Meta-LLM (TTS)	LLM: Llama3.1; OpenAI GPT-4o; Detec; CLIP; CLIP-Field	Object tracking uses CuM; human detection uses OpenPose and StrongSORT.	