



Addis Ababa Science and Technology University
College of Engineering
Electrical and Computer Engineering Department
Final Year Project II Defense Schedule



			Communication Stream Pannel 1, B-57 R-2002						
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
1	Communication			Ets0767/14 Helina Alemayehu Ets0793/14 Hermela Tewodros Ets1021/14 Mekfira Nuredin Ets1535/14 Temesgen .D		Laser Based Voice Transmission System Using Free-Space Optics	Aregawi G.	Aregawi G. Welelaw Y.(Dr.)	9:00 -9:25 AM Saturday June, 13 - 2026
7				ETS1460/14 Selome Gebregiorgis Fitwi ETS1548/14 Tewodros Tesfahun Alene ETS0021/14 Abdurehman Mohammed ETS0180/14 Amha Haileyesus		Migration and Simulation of AASTU Network Infrastructure into Software-Defined Networking (SDN)	Arebu D.	Aregawi G. Welelaw Y.(Dr.)	9:30 -9:55 AM Saturday June, 13 - 2026
10				ETS1638/14 YEABSERA ABEBE ETS1726/14 YONAS DEBRU ETS1730/14 YONAS GINBARU ETS1770/14 YORDANOS WUBALEM		Early Detection and Real-Time Alerting of Earthquakes and Floods	Shambel A.	Aregawi G. Welelaw Y.(Dr.)	10:00-10:25 AM Saturday June, 13 - 2026
3				ETS1039/14 Melketsadik Ashebir Mengesha ETS 0736/14 Hanan Mustafa ETS 1042/14 Merera Daniel ETS 1418/14 Solomon Tibebe		Smart Garden Watering and Lighting System Integrating with Machine Learning Model for Urban Graden	Girma D.	Aregawi G. Arebu D.	10:30 -10:55 AM Saturday June, 13 - 2026
6	Communication			ETS0230/14 Ayana Samuel Megersa ETS0233/14 Ayenew Yehuala Tegegne ETS0063/14 Abenezer Teketel Estifanos ETS0267/14 Beimnet Tariku Abebe ETS0109/14 Abriham Walelign Arega		Bus Tracking System using GPS and GSM	Behailu T.	Aregawi G. Arebu D.	11:00 -11:25 AM Saturday June, 13 - 2026
11				ETS 0491/14 Dimtse Begidu ETS 0339/14 Bezawit Tefera ETS 0322/14 Bethelhem Bejiga ETS 1571/14 Tsedenya Asmare		Smart water Meter with Leak Detection and GSM based usage Reporting	Berta D.	Aregawi G. Arebu D.	11:30-11:55 AM Saturday June, 13 - 2026
13	Communication			ETS0695/14 GETABICHA TESFAYE ETS0581/14 Eyob Kidane ETS0585/14 Eyob Cherinet ETS0538/14 Ermiyas Muche		IoT Based Agriculture System	Berta D.	Aregawi G. Arebu D.	12:00-12:25 AM Saturday June, 13 - 2026

				Communication Stream Pannel 2, B-57 R-2003						
Tr	Group		Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
2			Communication		ETS1130/14 Mulusew Belay ETS 0375/14 Biruk Zerihun ETS 1352/14 Rehima Aman ETS 1527/14 Tedros Haymanot		Wearable Embedded Glove System for Gesture -to-Speech Translation in Deaf,Mute and Blind Communities	Aregawi G.	Behailu T. Milkiyas H.	9:00 -9:25 AM Saturday June, 13 - 2026
5			Communication		ETS0641/14 Feysel Girma ETS0678/14 Fitsum Adare ETS0672/14 Ferew Ayenew ETS0650/14 Fikir Addis B ETS0691/14 Gelila T/Isadik		Gsm-Based Wireless Public Information Display System With access Authentication	Dr. Welelaw Y.	Behailu T. Milkiyas H.	9:30 -9:55 AM Saturday June, 13 - 2026
12			Communication		ETS1502/14 SOYAM BERHANU GIZAW ETS1270/14 SHALOM GOSSAYE ETS1768/14 YORDANOS NUS ETS0377/14 KALEAB ABAYNEH		RFID-Enabled Speed Regulation System for Zone-Based Vehicle Control	Arebu D.	Behailu T. Milkiyas H.	10:00-10:25 AM Saturday June, 13 - 2026

			Communication Stream Pannel 3, B-57 R-2004						
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
4	Communication			ETS1259/14 Natnael Beshane ETS1233/14 Natnael Abera ETS1245/14 Natnael Wegayehu ETS1229/14 Natnael W/Semayat		Zero Visit Metering: A Fully Automated Advanced metering Infrastructure	Demisu T.	Shambel A Berta D.	9:00 -9:25 AM Saturday June, 13 - 2026
8		Communication		Ets0059/14 Abenezer Fekadu Wolde Ets0030/14 Abel Tsegaye Akalu Ets0169/14 Amanuel Bzuayehu Zewde Ets0239/14 Azaria Yiheyis Simane		Low-Power LoRa Protocol for Long-Range IoT Farm Data Transmission	Milkiyas H.	Shambel A Berta D.	9:30 -9:55 AM Saturday June, 13 - 2026
9		Communication		ETS0420/14 Dagim Tamrat Regassa ETS0422/14 Dagim Girma Endale ETS0427/14 Dagmawi Teklehana Gebreegziabier ETS0540/14 Ermias Atalay Mihret		LiFi Based Short Range Wireless Data Communication system for Secure Application	Hailu B.	Shambel A Berta D.	10:00-10:25 AM Saturday June, 13 - 2026

			Computer Stream Pannel 1, B-57 R-2005						
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
14		Computer		ETS 0851/14 KALEAB WALE TIGABU A ETS 0125/14 ADONIYAS DESALEGN ADMASU A		AI-Assisted Diagnostics for Rural Healthcare in Ethiopia	Esubalew M.	Yonas T. Sileshi A.	9:00 -9:25 AM Saturday June, 13 - 2026
15		Computer		ETS0247/14 Bamlak Geteye Adere A ETS0220/14 Aryam Ezra Mersha A ETS0214/13 Bereket Tadiwos Dana B ETS0207/14 Anwar Abdela Muhammed A		Personal AI Knowledge Assistant	Sileshi A.	Yonas T. Sileshi A.	9:30 -9:55 AM Saturday June, 13 - 2026
16		Computer		ETS 1055/14 Meti Waqtole B ETS 1129/14 Mulukun Shiferaw B ETS 1147/14 Nahom Amafu B ETS 1407/14 Samrawit Sisay B		A Smart Digital Ordering System for Personalized Restaurant Experiences	Esubalew M.	Yonas T. Sileshi A.	10:00-10:25 AM Saturday June, 13 - 2026
17		Computer		ETS0766/14 Helina Hailu Hunde A ETS0764/14 Helina kinfe B		AI-Powered Crop Disease Detection Using Mobile Vision	Esubalew M.	Yonas T. Sileshi A.	10:30 -10:55 AM Saturday June, 13 - 2026
19		Computer		ETS1764/14 Yordanos Esrael B ETS1464/14 Semira Alewi B ETS1643/14 Yeabsira Yitayeh B ETS1656/14 Yeabsra Alemayehu B		Mental Health Monitoring System Using Machine Learning	Sileshi A.	Yonas T. Sileshi A.	11:00 -11:25 AM Saturday June, 13 - 2026
23		Computer		Ets 1344/14 Rediet Seleshi Tsega B Ets 1300/14 Netsanet Tesfaye Wores B Ets 1336/14 Rakeb Yared Tigabu B Ets 1377/14 Ruth Akalu Seyoum B		Design and Development of Smart Sensor Based Automation Systems for Solving Real Societal Problems	Sileshi A.	Yonas T. Sileshi A.	11:30-11:55 AM Saturday June, 13 - 2026
24		Computer		ETS1155/14 NAHOM DEMEKE FERED E B ETS1244/14 NATNAEL HIRUY GETNET B ETS1179/14 NAO D DEMISE ASEFA B		Dynamically Accelerating Database Algorithms with FPGA-Based Hardware	Asaminew G.	Yonas T. Sileshi A.	12:00-12:25 AM Saturday June, 13 - 2026
28		Computer		ETS0364/14 Birhanu Matebe A ETS0117/14 Aderajew Aysheshim A ETS 0237/14 Kaleb Asmamaw A ETS1295/14 Nedi Mebrate A		Blockchain-Based Distributed System for Secure Clinical Record Management	Dr. Ashenafi	Yonas T. Sileshi A.	02:00-02:25 PM Saturday June, 13 - 2026
32		Computer		ETS0061/14 Abenezer Tesfaye A ETS0070/14 Abenezer Mesfin A ETS0823/14 Ikram Awol A ETS0331/14 Beza Yakob A ETS0887/14 Kalkidan Birhnu A		Voice To Sign And Text to Speech Translation System For Inclusive Healthcare	Asaminew G.	Yonas T. Sileshi A.	02:30-02:55 PM Saturday June, 13 - 2026
33		Computer		ETS0605/14 Eyosias Getachew A ETS0638/14 Fewzan Aklu A ETS0640/14 Feysail Jemal A ETS0648/14 Fikir Tesfaye A		SignAloud in Amharic	Dr. Asrat	Yonas T. Sileshi A.	03:00-03:25 Saturday June, 13 - 2026
34		Computer		Ets 1287/14 Nebiyu Yonas B Ets 1288/14 Nebiyu Dawit B Ets 1292/14 Nebyou Damtew B Ets 1051/14 Mesalem Tsegaye B		Real Time Sign Language Recognition and Multilingual Speech Translation System Using Motion Capture and Machine Learning	Dr. Asrat	Yonas T. Sileshi A.	03:30-03:55 PM Saturday June, 13 - 2026
37		Computer		ETS1559/14 Tinbite Yonas B ETS1616/14 Yafet Hailelassie B ETS1705/14 Yohannes Desalegn B ETS 1721/14 Yohannis Abebe B		Real Time Public Transport Controlling and Notification System	Asaminew G.	Yonas T. Sileshi A.	04:00-04:25 PM Saturday June, 13 - 2026
38		Computer		ETS1367/14 Robel Wegayehu B ETS1234/14 Natnael Wale B ETS1224/14 Natnael Shimelis B Ets1367/14 Robel wondimu B		Kyber Key Encapsulation Mechanism(KEM)	Yonas T.	Yonas T. Sileshi A.	04:30-04:55 PM Saturday June, 13 - 2026

Computer Stream Pannel 2, B-57 R-2006									
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
18	Computer	ETS1201/14 Natanim Hailemeskel B ETS1206/14 Nathan Israel B ETS1212/14 Nathnael Andargachew B				Low-Cost Traffic Violation Detection System	Asaminew G.	Asaminew G. Esubalew M.	9:00 -9:25 AM Saturday June, 13 - 2026
20		ETS1028/14 Mekin Mohammed Amin B ETS0492/13 Faruk Behru Ahmed A ETS1038/14 Melikite Wubalem Demissie B ETS1005/14 Mahteme Worku Mekonen B			Water Cleaning Boat	Yonas T.	Asaminew G. Esubalew M.	9:30 -9:55 AM Saturday June, 13 - 2026	
21		ETS0759/14 Hayou Lemessa A ETS0773/14 Henock Ketema A ETS0848/14 Kaleb Tadesse A ETS0849/14 Kaleb Taminu A			Intelligent job matching platform	Asaminew G.	Asaminew G. Esubalew M.	10:00-10:25 AM Saturday June, 13 - 2026	
22	Computer	ETS0701/14 GIZACHEW LJIALEM BAYINES A ETS0705/14 HABTAMU WORKU DESALEGN A ETS0485/14 DEMISEW TEMESELEW A ETS0706/14 HABTAMU FIRDIYIWOK A				Intelligent Grid Management: Phase Load Balancing Home Power Analysis and AntiTheft Protection	Dr. Ashenafi	Asaminew G. Esubalew M.	10:30 -10:55 AM Saturday June, 13 - 2026
25	Computer	ETS0692/14 Gemechis Bekana Hirpha A ETS0227/14 Awel Yasin Ayana A ETS0447/14 Daniel Debele Denbi A ETS0882/13 Mikias Girum Tesfaye B				Smart Door Lock System using RFID and Web Control	Sileshi A.	Asaminew G. Esubalew M.	11:00 -11:25 AM Saturday June, 13 - 2026
26	Computer	ETS1302/14 Nigatie Sahlie B ETS0026/14 Abebaw Tsega A ETS1301/14 Netsanet Abuhay B ETS0606/13 Helina Zeleke A				Smart House Rental Management System	Sileshi A.	Asaminew G. Esubalew M.	11:30-11:55 AM Saturday June, 13 - 2026
27	Computer	ETS0888/14 Kalkidan Yishak A ETS0916/14 Kidan Dibekulu A ETS0857/14 Kaleb Kebede A ETS0425/14 Dagmawi Shewaye A				Agricultural Product Data Platform	Esubalew M.	Asaminew G. Esubalew M.	12:00-12:25 AM Saturday June, 13 - 2026
29	Computer	ETS1511/14 SURAFEL ASCHALEW DEGIFE B ETS1475/14 SIFEN OUMER KEDER B ETS0681/14 FUAD AHMED ISMAEL A ETS1706/14 YOHANNES TSEGAYE MAMO B				AASTU Resource Sharing Platform	Yonas T.	Asaminew G. Esubalew M.	02:00-02:25 PM Saturday June, 13 - 2026
30	Computer	ETS1025/14 Mekdes Getachew B ETS1026/14 Mekeds Desu B ETS1049/14 Meron Nigusu B ETS0568/14 Etsubdink Dereje A				Smart System and IoT Based Automation for Education Management	Yonas T.	Asaminew G. Esubalew M.	02:30-02:55 PM Saturday June, 13 - 2026
31	Computer	ETS0315/14 Betelhem Alemu A ETS0096/14 Abraham H/gebriel A ETS0136/14 Alazar Nega A ETS1449/14 Safura Ajmel A				AI-Integrated PLC-SCADA Monitoring System with Smart Analytics and Mobile App Interface for Small-Scale Industrial Automation	Dr. Asrat	Asaminew G. Esubalew M.	03:00-03:25 Saturday June, 13 - 2026
35	Computer	ETS0411/14 Dagim Mesfin A ETS0432/14 Dagmawi Ayenew A ETS0415/14 Dagim Abyot A ETS0519/14 Elisha Abraham A				AI-Powered Intelligent Traffic Management and Violation Detection System	Esubalew M.	Asaminew G. Esubalew M.	03:30-03:55 PM Saturday June, 13 - 2026
36	Computer	Ets0193/14 Anania Girma Senbeta A Ets024/14 Baedemariam Fesseha A Ets0210/14 Aphomia wodajo A Ets1019/13 Natnael million A Ets0515/14 Eleni samson A				SmartCommute: AI-Driven Public Taxi Route and Terminal Optimization System	Yonas T.	Asaminew G. Esubalew M.	04:00-04:25 PM Saturday June, 13 - 2026
39	Computer	ETS 1679/14 YIDIDIYA BEHAILU WONDIMU B ETS 1677/14 YIBRALEH AYELE YASU B ETS 1678/14 YIDIDIYA GEDYELEW GINBATO B ETS 1741/14 YONATAN TARIKU SHACHACHEW B ETS1686/14 YISHAK TESFAYE GETAHUN B				Intelligent Transportation System	Dr. Ashenafi	Asaminew G. Esubalew M.	04:30-04:55 PM Saturday June, 13 - 2026

			Control Stream Pannel 1, B-57 R-2007						
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
40		Control		ETS0066/14 ABENEZER TEKESTEBIRHAN GEREMEW ETS0055/14 ABENER GETNET ASRAT ETS0047/14 ABEL LEULSEGED MULUGETA ETS0735/14 HANA WUBIE KASSIE		1. Development of a Smart Robotic Camera Arm for Visual Effects and Commercial Filming	Mr.Ethel C.	Dr.Mulugeta D. Mahelt L.	9:00 -9:25 AM Saturday June, 13 - 2026
41		Control		ETS1151/14 NAHOM AMENU AYCHILE ETS1261/14 NATNAEL YOSEF LEMMA ETS1369/14 ROBERA DABA		1. Self Balancing Two Wheel Scooter Using Dual Mode Control	Mr.Biruk T.	Dr.Mulugeta D. Mahelt L.	9:30 -9:55 AM Saturday June, 13 - 2026
44		Control		ETS0397/14 Blen Girma ETS1283/14 Nebiyat Tadesse ETS1333/14 Rahel Eyasu ETS0806/14 Habtamu Bitewlign ETS0524/14 Elisabeth Baye		1. Automated Precision Irrigation System with Soil Moisture Forecasting	Mr.Ethel C.	Dr.Mulugeta D. Mahelt L.	10:00-10:25 AM Saturday June, 13 - 2026
45		Control		ETS0408/14 Christina Mekonnen ETS0499/14 Eden Tafese ETS0373/14 Biruk Shewanawel ETS0171/12 Biruk Solomon ETS0368/12 Israel Mesfin		1. Autonomous Self-diving Car with trajectory Planning	Mr.Biruk T.	Dr.Mulugeta D. Mahelt L.	10:30 -10:55 AM Saturday June, 13 - 2026
52		Control		ETS0977/14 Lider Solomon ETS0956/14 Lamerot Kassahun ETS0696/14 Gezahegn Nigussie ETS1510/14 Surafel Bezuneh		1. Self Balancing Unicycle Robot	Mr.Ethel C.	Dr.Mulugeta D. Mahelt L.	11:00 -11:25 AM Saturday June, 13 - 2026
43		Control		ETS0068/14 Abenezer Demissew Shawel ETS0287/14 Bereket Birhanu ETS0583/14 Eyob Desalegn ETS 0173/14 Amanuel Tafesse		1. Robotic Welding	Dr.Mulugeta D.	Mr.Biruk T. Mahelt L.	11:30-11:55 AM Saturday June, 13 - 2026
47		Control		Ets0346/14 Bilen endalkachew ets0335/14 bezawit abate ets0231/14 ayantu dejene Ets0649/14 fikir mohammed ETS1409/14 Samrawit Osman		1. Industrial 3-DOF Pick and Place Robotic Arm for Crate Palletization	Dr.Mulugeta D.	Mr.Biruk T. Mahelt L.	12:00-12:25 AM Saturday June, 13 - 2026
42		Control		ETS0763/14 Helena Teame ETS1382/14 Ruth Shimelis ETS1346/14 Rediet Bekele ETS0760/14 Helen mammo"		1. Design and Development of an Automatic Rescue Device(ARD) for Elevator System	Mahelt L.	Mr.Biruk T. Dr.Mulugeta D.	02:00-02:25 PM Saturday June, 13 - 2026
46		Control		Ets1022/14 Mekdes Lemessa Ets1024/14 Mekdes Dereje Ets0918/14 Kidane Abraham		1.Automated waste soring system using computer vission and an R2P Robotic Arm	Mahelt L.	Mr.Biruk T. Dr.Mulugeta D.	02:30-02:55 PM Saturday June, 13 - 2026

			Power Stream Pannel 1, B-57 R-2008						
Tr	Group	Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
48		Power		ETS1160/14 NAHOM GIRMA ASFAW ETS0964/14 LEUL TESHOME ETS0710/14 HABTEMARIAM BEREKET ETS0280/14 BEMNET MULACHEW ETS0599/13 HAYAT MUHABA		Design and Simulation of an Intelligent Solar-Wind-Battery Hybrid Microgrid for University Campuses	YARED TASSEW	SHEGAW FRIEW TEHAY ENDRIS	9:00 -9:25 AM Saturday June, 13 - 2026
51		Power		ETS1072/14 Mihiret Zewdu ETS0913/14 Khewlet Mohammed ETS0907/14 Kestela Elias ETS Shalom Mesele		design and control of a solar power water pumping system	DR ALEBACHEW	SHEGAW FRIEW TEHAY ENDRIS	9:30 -9:55 AM Saturday June, 13 - 2026

			Power Stream Pannel 2, B-57 R-2009							
Tr	Group		Stream	Tr	Group Members	Tr	Titles	Assigned Advisor	Examiners	Schedule
49		Power			Ets 0218/14 Arsema Elias Bezabh Ets 0338/14 Bezawit Dessu Ets 0115/14 Addis Birhanu Ets 0731/14 Hana Tadesse Ets 0922/14 Kidist Belete		Servo-Based Voltage Stabilizer with Incremental and Dead band Control	TEHAY ENDRIS	DR ALEBACHEW YARED TASSEW	9:00 -9:25 AM Saturday June, 13 - 2026
50		Power			1385/14 Ruth Abera Fanossie 0431/13 Ermiyas Gadissa ETS0810/14 Hiriy Girma		Design and simulation of grid tied solar pv system with net metering	SHEGAW FRIEW	DR ALEBACHEW YARED TASSEW	9:30 -9:55 AM Saturday June, 13 - 2026