









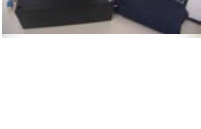











Undergraduate Project Parts and Equipment for Student Hire








Listed below are the current items available for hire within SECTE for SECTE students. Please note that all parts are issued out on a first come, first served basis. Items listed may already be hired.











SECTION 1: Project Parts

Image	Item Description	Approval Required By	Notes About Item	Hire Duration	Storage Location
	Hitachi USB Finger vien Biometric scanner			return Two days after Trade show	Stores Cupboard 2
	Jaycar I/O interface kit for PC's KC5230			return Two days after Trade show	Stores drawer 4
	K8055 Usb experiment interface board			Consumable	Stores drawer 4
	LCD 16 Characters x 2 lines Dot Matrix LCD modules x 2			return Two days after Trade show	Stores Drawer 4
	Various internet camera's and Quickcam pro's			return Two days after Trade show	Stores Drawer 4
	Robot I Command module and charger			return Two days after Trade show	Stores Drawer 4
	AC current Transducer			return Two days after Trade show	Stores Shelving
	USB to Serial DB9 cable		x2	return Two days after Trade show	Stores Shelving
	9 volt dc Switchmode regulated plug pack			return Two days after Trade show	Stores Shelving
	D-Link 2.4 5GHz Multimode Wireless Dual band Cardbus Adapter			return Two days after Trade show	Stores Shelving
	3 Comm Avava wireless adaptor Network card			return Two days after Trade show	Stores Shelving
	Vision plus tv tuner card			return Two days after Trade show	Stores Shelving
	Logitech USB microphone			return Two days after Trade show	Stores Shelving
	25mm Solenoid valve		x2	return Two days after Trade show	Stores Shelving
	Heavy duty DC Servo motor ym2766			Consumable	Stores Shelving
	Maxstream Zigbee modules x2			return Two days after Trade show	Stores Shelving
	500 gph bilge pump			return Two days after Trade show	Stores Shelving
	Jaycar Power supply kit sc480 amplifier			return Two days after Trade show	Stores Shelving
	Zig 100 module			return Two days after Trade show	Stores Shelving
	Air cable Bluetooth Baudrate switches			return Two days after Trade show	Stores Shelving
	Power tech power transformers			return Two days after Trade show	Stores Shelving
	Lego Mindstorms			return Two days after Trade show	Stores Shelving
	128mb ATA Graphics card		windows vista	return Two days after Trade show	Stores Shelving
	Motorola Bluetooth USB adaptor pc850			return Two days after Trade show	Stores Shelving
	Logitech quickcam pro 4000			return Two days after Trade show	Stores Shelving
	Capsense cy3212 programming kit			return Two days after Trade show	Stores Shelving

	Bioloid Robot kit			return Two days after Trade show	Stores Shelving
	Omega Intelli charger battery charger			return Two days after Trade show	Stores Shelving
	Sidewinder joystick			return Two days after Trade show	Stores Shelving
	Film speakers	see Christian		return Two days after Trade show	Stores Shelving
	Wacnet boxes	see Fazel		return Two days after Trade show	Stores Shelving
	Indoor Pan tilt scanner			return Two days after Trade show	Stores Shelving
	Robotic Dogs	See Fazel		Sessional	Stores Shelving
	Infrared to Usb cable			return Two days after Trade show	Stores drawer 4
	3 small solar panels			return Two days after Trade show	Stores drawer 4
	Robotic arm Hirec			return Two days after Trade show	Under front counter
	D link USB Bluetooth adapter			return Two days after Trade show	Under front counter
	One touch Blood Glucose monitoring system			return Two days after Trade show	Under front counter
	One touch blood presure monitor			return Two days after Trade show	Under front counter

	Logitech Sphere Webcam			return Two days after Trade show	Under front counter
	Home weather Station			return Two days after Trade show	Under front counter
	Hitec Robotic Arm			return Two days after Trade show	Shelving stores
	Trendnet pan tilt Internet camera			return Two days after Trade show	Shelving stores
	All in one I/P Network Camera			return Two days after Trade show	Shelving stores
	TMS320C6748 DSP Development Kit			return Two days after Trade show	Shelving stores
	Power tech power inverter 300W 1000W Surge MI - 5104			return Two days after Trade show	Shelving stores
	Maya 44 USB Audio interface			return Two days after Trade show	Shelving stores
	Beaglebone Kit (Element 14 - 206-3627)			return Two days after Trade show	Shelving stores

	Pololu Metal Gearmotor with 64 CPR encoder			return Two days after Trade show	Shelving stores
	Stanley Distance Estimator			return Two days after Trade show	Shelving stores
	Element 14 Rasberry Pi controller board			return Two days after Trade show	Shelving stores
	T Rex Motor Controller			return Two days after Trade show	Shelving stores
	Zig bee Development boards and Chips				
	AVR in system programmer AVRISPMkII			return Two days after Trade show	Shelving stores
	Various Arduino and Little Bird parts		See Brian in Stores 35/132a	return Two days after Trade show	Shelving stores
	Polar Heart rate monitor			return Two days after Trade show	Shelving stores
					Shelving stores
	Pivot Monitor			return 2 days after Trade Fair	Shelving Stores
SECTION 2: EVERYDAY EQUIPMENT FOR HIRE					
Image	Item Description	Approval Required By	Notes About Item	Hire Duration	Storage Location
	Oscilloscopes		Instek digital	1 month hire	35/132A

	Function Generators			1 month hire	35/132A
	Wishmakers			1 month hire	35/132A
	Breadboards (Wooden and plastic multi terminals)			1 month hire	35/132A
	Multimeters			1 month hire	35/132A
	Power Supplys	(Various)		1 month hire	35/132A
	Soldering Irons			1 month hire	35/132A
	Digital Lux Tester			1 month hire	35/132A
	Alpha Numeric keypads			2 weeks	35/132A
	ECTE 333 wire and Breadboard kits			2 weeks	35/132A
	Atmel Atmega Avr boards			2 Weeks	35/132A
	Extension leads and 4 way power adapters			Sessional	35/132A

Arduino (LittleBird Electronics). Micro controllers Zigbees in SECTE stores. With Data Sheets.. Box 1

Little Bird Electronics Arduino Fio board x3 and polymer Lithium Battery (PRT-00341) Battery x 2. (DEV-10116)

LittleBird Bluetooth SMD Module Rayson BTM-182 x6 (WRL-09913)

LittleBird XBEE Explorer USB (WRL-08687)

Little Bird Embedded Antenna U.FL for GPS (SS-WLS121C2B)

LittleBird 125KHZ RFID Module - UART (SS-RFR101A1M) with antenna

Littlebird FTDI Basic 5V breakout board (DEV-09716)

Little Bird Electronics Ultrasonic Ranging module HC-SR04

Little Bird ACS 714 Current Sensor Carrier -5A to +5amp #1185

LittleBird PIR Motion Sensor SEN-08630

LittleBird Ultrasonic range finder XL Max Sonar EZO SEN-09491

LittleBird Infrared Proximity Sensor SEN-00242

LittleBird LSM303 breakout board SEN-10888 triple axis accelerometer. x2

Little Bird Humidity and temperature Sensor Module (Free-HUM)

Pololu LSM303DLM3D compass and Accelerometer Carrier with voltage regulators.

Micro RWD Mifare proximity RFID reader (IB Technology)

Zeltcom Hilink Control platform board

Maxim SM Bus System monitor Board

Picaxe Connect (Axe210) board

EMBMEGA32 AVR microcontroller board

DV2000S1 Multi-chemistry switching charger development system (Texas Instruments)

ID Innovations ID 20- ID 12 break out board

Zigbee module ZIG-100 x 2

3G/GPRS shield for Arduino (cooking hacks)

DF ROBOT Ethernet for Arduino (SKU:DFR0006)

DF ROBOT Prototyping Shield for Arduino (DFR00190)

Bluetooth Bee (SS-WLS125E1P)

Beaglebone.org (BB-Bone-000) microcontroller (Element 14 item 206-3627) with mini usb cable.

Arduino (LittleBird Electronics). Micro controllers Zigbees in SECTE stores. With Data Sheets. Box 2

Little Bird Electronics XBEE Explorer Dongle USB with XBEE chip and Antenna.
WRL-09819

Arduino Uno microcontroller board x approx 10 total.. 8 in this box

1 x Uno Enclosure box

Arduino wifi shield.

DF Robot (DFR0088) Arduino Expansion shield v5 Xbee for arduino project.

Sharp IR Rangers ..infrared sensors (Acroname Robotics) GP2Y0A02YKOF

Sharp IR Sensor GP 2Y0A02 infrared.

DF Robot Arduino Ethernet Shield (DFR0110)

Zigbee Developer's kit (Board). RF Module and 2 chips.

Freeelectronics Eleven Arduino uno compatible Microcontroller board.

Arduino Mega Board x 2

Freeelectronics Arduino 11

Bluno 2.0 (DFR0267)

Arduino (LittleBird Electronics). Micro controllers Zigbees in SECTE stores. With Data Sheets. Box 3

T Rex (Pololu) Dual Motor controller

Beagle Bone (Texas Instruments) High expansion board.

Xbee Pro Modules Series 1: 60mW with antenna x3

1x Pro with Antenna plus 7x RF Modules no antenna

Maxstream Xbee RF Module.

Max Stream Xbee RS232 Adaptor Boards x 2.

2.4 Ghz AV Senders (www.Fishpond.com.au)

DF Robot: Proto typing Shield for Arduino kit (DFR0019)

LSM303DLM 3D Compass and Accelerometer Carrier with Voltage regulator. (Pololu)

Little Bird Electronics: Bluetooth Bee: SS-WLS125E1P

Arduino Pro Mini (Sparkfun) Microcontroller board

Little Bird : Logic Level Converter Module Free Logic.

Little Bird Electronics: Breakout board for NRF24LU1 (WRL-09034)

Little Bird Electronic: Real time clock module (BOB-00099)

BT Serial: Air Cable. Baudrate Switch Bluetooth (Whizoo)

DF Robot: Arduino digital Pyroelectric Infrared Motion sensor

Sparkfun: GPS Evaluation board (GPS-08334) with a 20 channel EM-

DF Robot 50A Current sensors (Ac/Dc) (SEN0098) x 4

BT Boards HC-06 Serial 4 pin Bluetooth RF Transceiver Module RS 232

TTL Serial port mini

DF Robot DFR 0270 Accesary shield for Arduino.

Arduino (LittleBird Electronics). Micro controllers Zigbees in SECTE stores. With Data Sheets.. Box 4

3 Axis Gyro Sensor Accelerometer MPU 6050 –GY 521 break out board.

Polalu Basic SPDT relay 12 volt DC # 2482

Aitendo USB 5409

Little Bird GPS receiver (GPS-12751) EM506 48 channel

Little Bird RN-XV Wifly module (wrl-10822)

ET-STM32 – Stamp Module microcontroller x 2

G12 Solenoid Valves SWi- 193820

5 Volt receiver boxes – Battery Jaycar MP3083 x 4

Polalu 131:1 Metel gear motor Item #1447

50:1 Ratio geared motors x2

19;1 Geared motors with CPR encoders MEL – 30074

2 x Unknown large gear motors

Core Electronics/ Futurlec 3.3 volt Mini power supply for micro controllers x 2

Power Adaptor plug

Wavecom transmitter receiver

Little Bird (WRL-12819) (WRL 10253) Bluetooth SMD Module

Little Bird Wiznet WS 100 Mag Jack (DEV09473)

YX2004A 20/4 LCD

J204 5 Volt LCD/LCM Module

Arduino (LittleBird Electronics). Micro controllers Zigbees in SECTE stores. With Data Sheets.. Box 5

Laird Bluetooth USB – Bluetooth adapter 2.4GHZ

Sparkfun Rotary Encoder (COM-10790)

Digilent Bluetooth Module 2061866 Uart

3 Axis Accelerometer x 2 Evaluation boards

DF robot GPS/GPRS Shield V3.0 (arduino compatible) with Antenna

RS SMC Solenoid valve 3 port 24V DC

Bluetooth wireless serial port module for arduino

Infrared Proximity Detector (Lynxmotion) x 2

Zigbee Pro development boards RS 232 x 4

Zigbee pro Chips x 6

Hobbyking Turnigy Multistar 20 speed controller

Turnigy Motors TGY – 1440A

Jaycar receivers and transmitters ZW3102 and ZW3100

Radio Frequency packet controller.

Electronics Components. Box 6

Seed Studio 4A motor shield

DC Digital Power meter with internal shunt Jaycar MS-6170

Polar T31 Heart rate sensor + FM board FM731

JT-180 12VDC Mini Pump

Element 14 Wolfson Audio card for Rasberri Pi

Micro Soft life cam 720p HD Video-USB Webcam

TF 3.2 240x320 262K Touch Shield- Arduino Mega compatable

Tosduino Mega's 2560 x2

Logitech Webcam C310 Version 2

Hobbyking KK 2.1.5 Multi Rotor LCD Flight control board.

Sharp GP2Y0A21YKOF Distance measuring sensor unit

EM3095 2 dimensional reading head development board

LB XBEE Shield for Arduino DFR 0015

Arduino Yun enclosure PRT-12841

Electronics Components Box 7

HDFold and Go Webcam C615

CH340G USB to RS 232 STC Downloader module

Raspberry Pi Camera Board (Adafruit)

GPS Receiver EM-506 (48 Channel)

Kodak USB Digital colour Video Camera

Serial bluetooth RF Transceiver module

Lo-net Mini GSM/GPRS/GPS Breakout

Arduino Micro without headers

LCD Shield kit, Black on Green - Seeed studio

FTDI Breakout board 5V/3.3V with USB cable (Tronixlabs)

DHT11 Temperature and Humidity sensor module

RFID Reader ID12LA (Sparkfun)

Arduino Nano V3.0 x2

RF Link Transmitter 315MHZ (LB)

ESP8266 Wifi Module x 2 (Adafruit)

5 Volt stepper motor + Driver board

Adafruit 2.8 TFT LCD Touchscreen breakout board

Ultrasonic Distance Sensors (HC-SR04) x 4

Bluno (DF Robot) 4.0 (DFR0267)

Non invasive AC Current sensor LB x 4

Tower Pro 10kg Servo MG996R

DF Robot (DFR0017) Relay module V 3.1

Raspberry Pi Berry C Learning board MS100A