FUTURE TECH EMBEDDED SOLUTIONS (OPC) PRIVATE LIMITED

Product catalog/Pitch Deck

- **About us**
- Our company is a Lucknow .based company and we design and manufacture various kinds of electronic products . Our goal is to develop products suited for the Indian needs and operating conditions and that too at competitive prices and technology and quality comparable to the products sold by major companies at a fraction of their product cost .
- It is because of this reason that most of our design , fabrication and assembling is done in house and all the parts required are sourced from within the city thus insuring faster turnaround time as well as generation of local employment and earning oppurtunities .
- **History** : Our journey started around 2016 as a part time hobby but in due course of time we embarked on new technologies and having the software programming skills and hardware designing skills as learnt from the engineering college as well as by studying the circuit designs made by larger corporations during our hands on experience , we started experimenting with our own designs and in due course of time we perfected our skills and started developing products with performance and reliability comparable to designs made by larger corporations .
- **Our Latest Achievement :** In 2018 , we have designed the public information display system installed at ISBT Alambagh Lucknow in partnership with Cyrus Electronics Pvt. Ltd. where a single person can manage the entire bus station from a tablet or a PC including PIDS , Access control , platform assignment as well as data logging . This project was the first of it's kind in India at that time . Besides , we also design and develop products for other companies as well as government organisations . Recently , we have made a SMS notification system for mission critical systems which provides sms alerts in case of power or UPS failure.
- **Our Goal :** To support in house technology and offer products that benefit not only us , but also our customers in the long run .

About the founder

- The founder is Mr. Mayank Mani Singh who currently holds the position of executive director in the company . He holds a **Bachelor of Technology** degree from U.C.E.T. ,Vinoba Bhave University ,Hazaribag , Jharkhand in Information Technology and graduated in year 2013 (batch 2009-2013) . His keen interests include Embedded Systems , Open source hardware and software as well as software programming and using them collectively to solve real world problems .

Products

- **Infrared Thermal Screening Based Access Control System**
- Features :
- 1. Contains melexis MLX90615/MLX90614 high accuracy infrared thermal sensor with an accuracy of 0.2 degree centigrade.
- 2.Separate data logger with features such as removable storage , portability and wireless   communication between sensor and datalogger ensuring safe distance.
- 3.Voice based assistance to passengers.
- 4.Can be interfaced with existing hand sanitizer and boom barrier/flap barrier/electronic locking system to ensure entry only after thermal screening .
- 5.Ability to add customised voice messages.
- 6.High temperature alert via audio messages.
- 7.High data storage capacity .
- 8. Competittive price .
- Can be modified according to your specific needs as the product is indigenously built .
- Cost : Rs.6500 (including GST)

- **WS-05 Cloud based electrical switch**
- WS-05 module is a cloud connected power management system that can be used to control appliances remotely from an IP based network . The key features and advantages of the system are as follows :
- **The device has an inbuilt web interface and hence can be operated from any device having a wifi radio and a web browser .**
- **The device can be configured in standalone as well as in infrastructure mode to connect multiple modules to a single network.**
- **Ability to control multiple modules from a single point , hence easier to switch appliances in larger buildings and campus.**
- **Easy to understand user interface .**
- **Master OFF switch to switch off all the appliances connected to the module .**
- **Each module can be used to control four independent zones .**
- **The modules can whit stand a load of 200Watts per zone and larger power requirement can be controlled with the help of drivers provided separately .**
- **The modules can be accessed individually on local area network as well as through cloud .**
- **We maintain our own cloud and do not use cloud management system of other providers and hence our devices are free from planned obsolescence.**
- **No separate wiring is required to install the modules .**
- **No special training required to operate the devices and any network engineer can easily manage the devices .**
- **The devices connect through WIFI and hence no wired networking is necessary .**
- **Pricing**
- The pricing of the modules and the drivers are provided below :
- Cost of the module : Rs.1500 (INR) +GST
- Cost of driver units (optional) : Rs 550+GST (for single phase 230V 40A AC)
- Any other item required for the expansion of the existing network will be assessed and decided on case to case basis .

Products

- **GPS SYNCRONIZED CLOCK**
- Features
- Clock is directly synchronized with the atomic clocks situated in the GPS constellation satellites and is hence one of the most accurate .
- Onboard RTC for local timekeeping in case of no GPS signal and synchronized every second with the GPS time .
- Option to display time in 12 or 24 hour format.
- Developed in accordance with rules prescribed in the RDSO guidelines.
- Suitable for use at places with time stringent operations such as hospitals , schools , colleges , laboratories , railway stations , bus stations ,airports ,etc**.**
- **Pricing**
- Cost of GPS clock (large clock): Rs.10000(INR)+GST
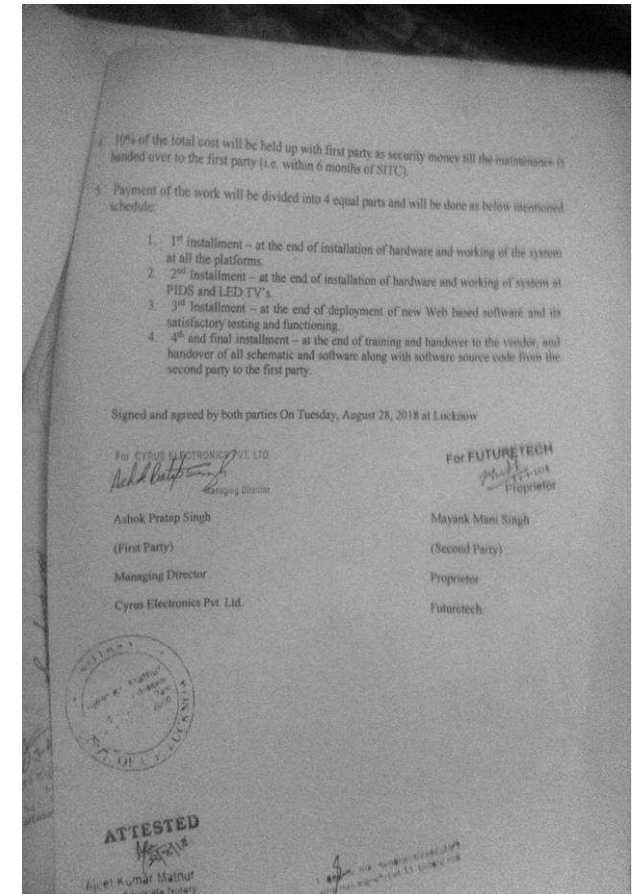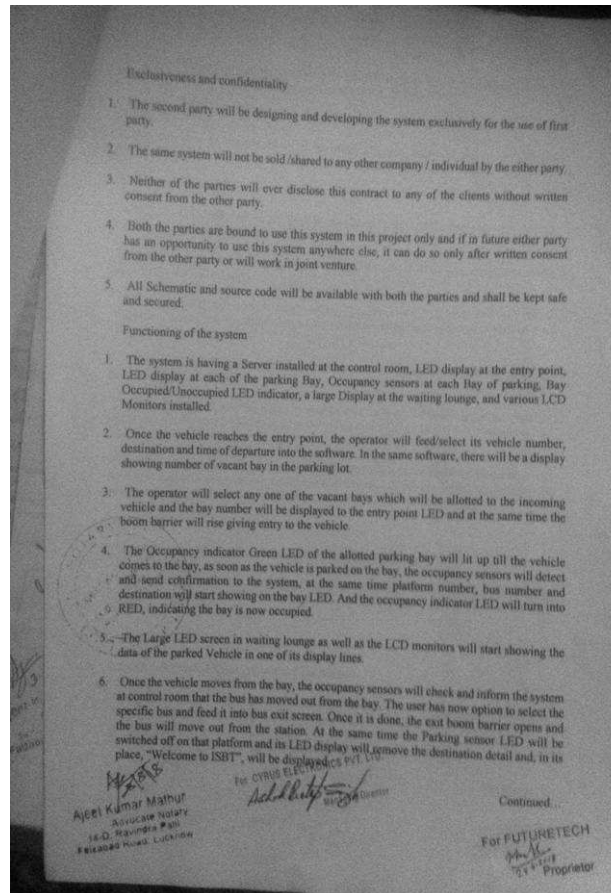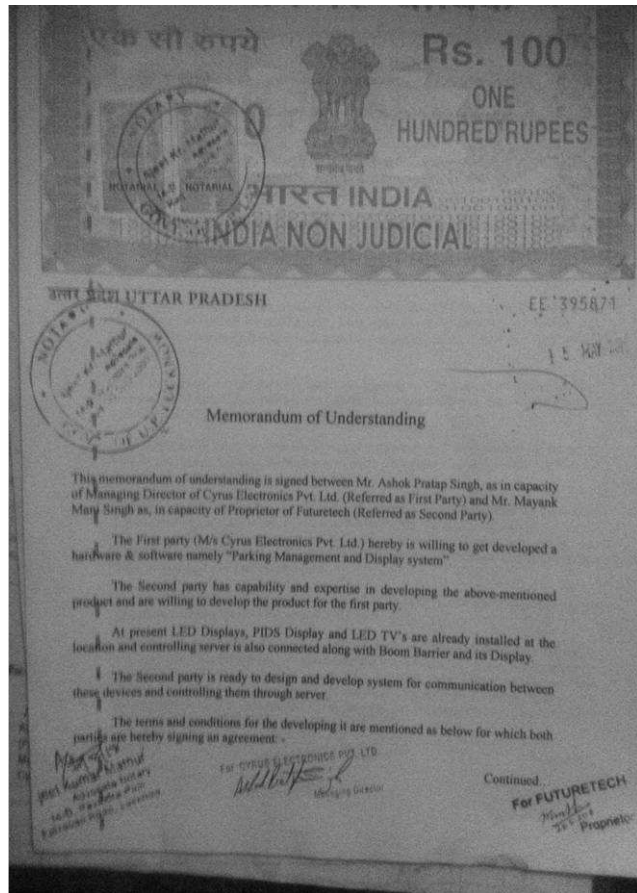- Cost of GPS clock (table top) :Rs.3000(INR)+GST

- **Print Server (Model PS-01)**
- Print server for converting a conventional USB printer into a network printer . Some of the advantages of the device are listed below :
- Features :
- 1.Able to integrate with existing networks (both wired and wireless) in client mode .
- 2.Compatible with Apple Airprint with native printing support for all Apple devices , a feature which is only available in high end network printers (printing from android is also available with the use of
-   dedicated software) .
- 3.Use of ipp protocol hence no need to install dedicated software on each computer or mobile device.
- 4.Support for more than 1200 printers of different brands with the ability to add newer models in future .
- 5.The device runs on embedded linux , hence security level is at par .
- 6.One printer can be shared across the entire network , hence reduction in energy costs .
- 7. Google cloudprint feature , hence the printer can be shared seamlessly around the globe .
- 8. Suitable for dot matrix printers .
- **Pricing**
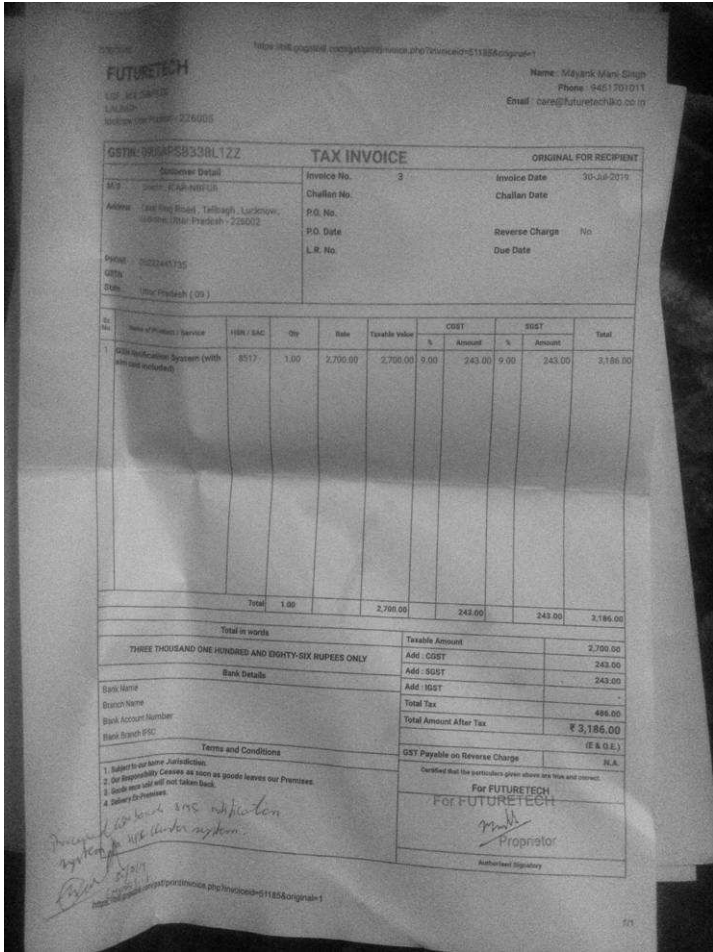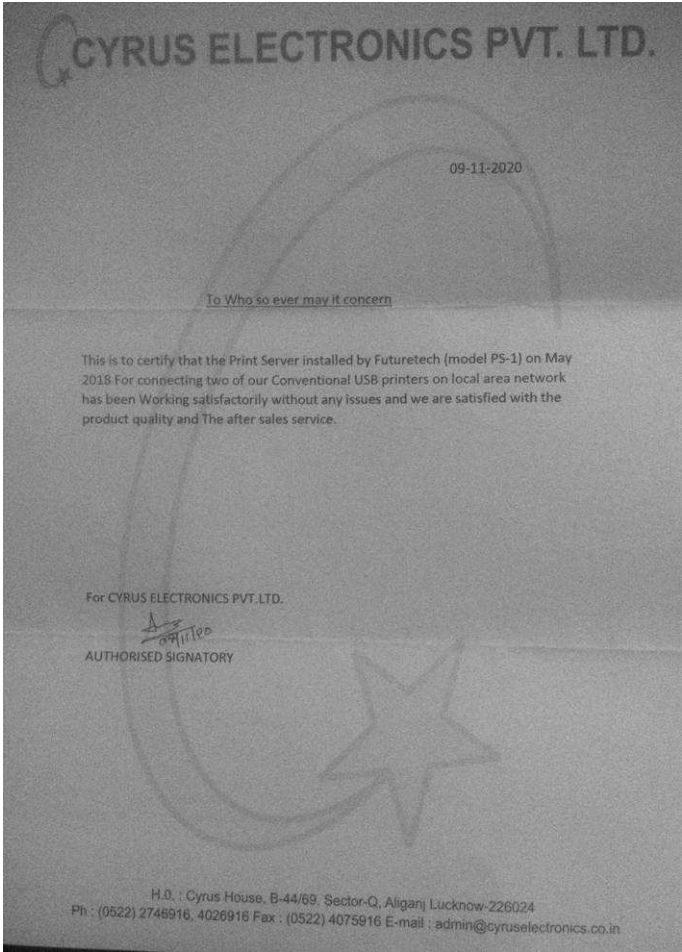- Cost of print server : Rs.3500(INR)+GST.

Products

- **PUBLIC INFORMATION DISPLAY SYSTEM**
- PIDS refers to systems used at public places such as railway stations , airports , bus stations , etc . to provide real time information to public through the use of large displays/monitors/led walls . It enables easy distribution of information without the need of additional manpower as required in offline methods as well as scope for automated voice announcements .
- **Features :**
- **Works on ip based network .**
- **Automated voice based announcements.**
- **Can integrate with automated doors and barriers .**
- **Can be operated by a single person.**
- **User friendly interface .**
- **Available for online as well as offline use .**
- **Log management .**
- **Display data available on plasma/lcd/led wall/projector as required .**
- **Can display in high definition upto 4K.**
- **Pricing starts from Rs.50000(INR) onwards .**

- **GSM BASED SECURITY/FIRE ALARM WITH SMS FEATURES AND INTEGRATED AUTO-DIALER**
- **Features:**
- **16 analog inputs .**
- **Digital port for addressable trigger points for pin pointing exact location of trigger .**
- **16 output relays for triggering various devices in case of an event .**
- **Each zone can be assigned a phone specific number for alerting the concerned authority related to that particular zone .**
- **Individual set of voice and text message for each zone alert .**
- **1 lakh plus log entries .**
- **Trigger delay duration setting .**
- **Multi role use .**
- **Li-Ion battery backup.**
- **Can be controlled remotely via authorised phone numbers through defined SMS commands .**
- **Suitable for banks , currency chests , ATM's, large buildings.**
- **Pricing :**
- Cost of Alarm unit : Rs.8000(INR)+GST.
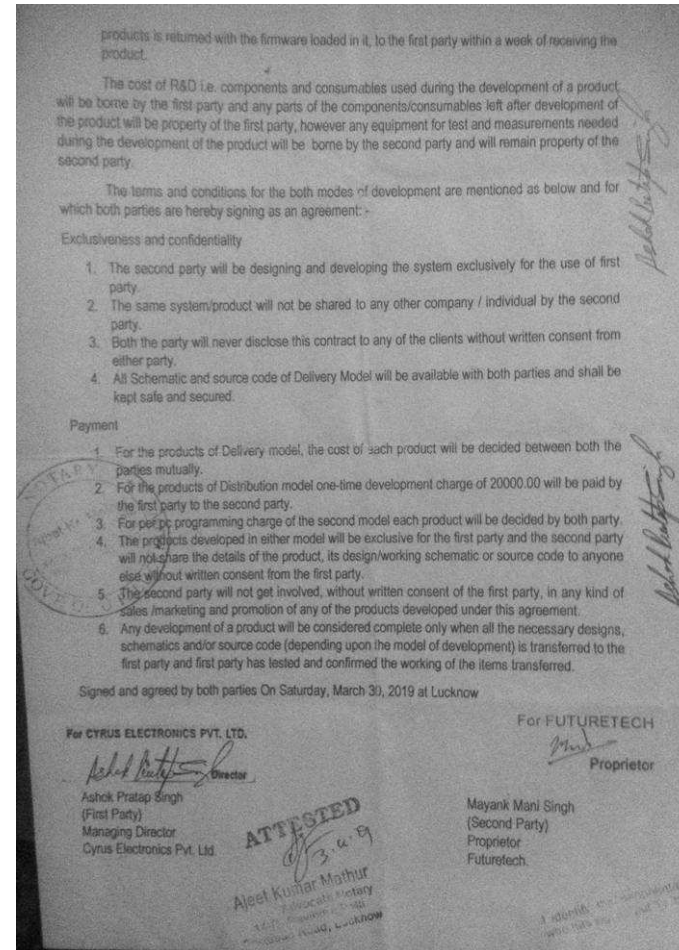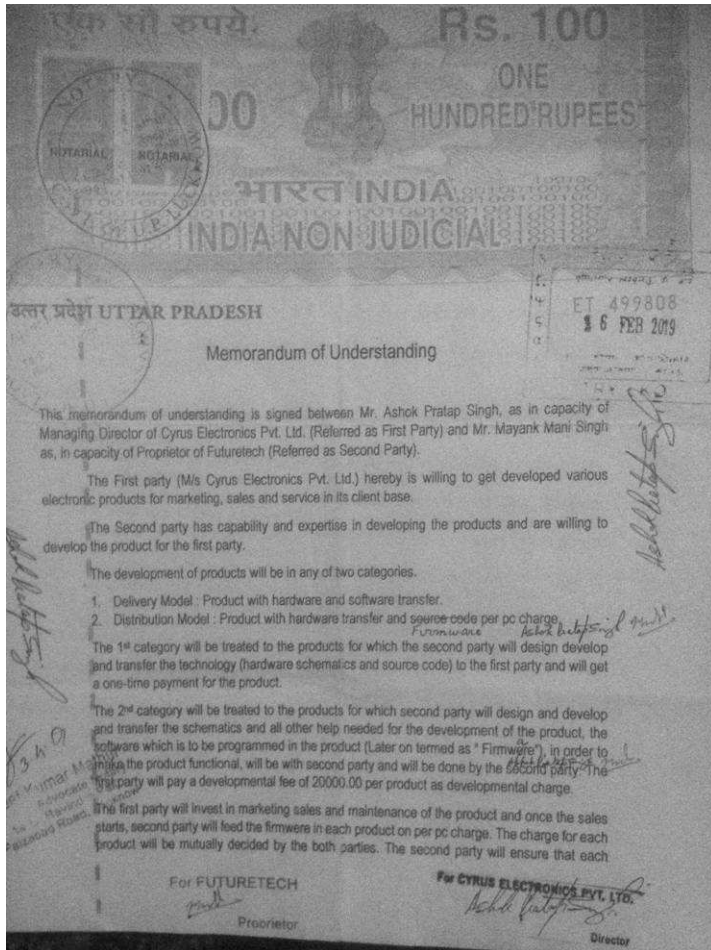- (Cost of sensors and other items required for installation will be decided on case to case basis).

Certifications and work orders

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Thank You

- For any more details kindly contact us at :
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