

# Bikash Narayan Panda

Being a developer I have around 4+ years of hands on experience in IOT, Smart Micro Grid & Embedded System Integration and Implementation. Technology always fascinates me and making my home smart is one of my primary hobbies. I also post blog/make videos on IoT and Embedded System.

## Element14 INDIA Pvt. Ltd.

Application Engineer

📅 Jan-2018- Now

↔ [element14.com](http://element14.com)

📍 Bengaluru, Karnataka

*Content/Article on various technologies for Element14 Community Website and forthings.io website. It also involves designing projects including Embedded System and IOT to demonstrate the application of different categories of products*

## NIST Technology Consulting Services

Embedded System Developer

📅 Jul-2014- Dec-2017

↔ [ntcsindia.com](http://ntcsindia.com)

📍 Berhampur, Odisha

*Responsible to design and develop IOT based products. Worked on projects starting from survey to commissioning.*

## National Institute of Science and Technology

M. Tech, Electronics and Communication

📅 2014

↔ [nist.edu](http://nist.edu)

CGPA: 8.6

*Active member on industrial research projects. Guided graduate students in their projects.*

Publications:

↔ [bit.ly/2j1Mq25](http://bit.ly/2j1Mq25)

- *Implementation of a smart grid system to remotely monitor, control and schedule energy sources using Android based mobile devices.* "Industrial and Information Systems (ICIIS), 2014 9th International Conference on IEEE-2014.
- *Implementation of a Web of Things based Smart Grid to remotely monitor and control Renewable Energy Sources."* Electrical, Electronics and Computer Science (SCEECs), 2014 IEEE Students' Conference on IEEE -2014.

## PKA College of Engineering

B. Tech, Electronics and Telecommunication

📅 2011

↔ [pkace.edu.in](http://pkace.edu.in)

CGPA: 7.3

*Founded Robotics Club. Organizer Techfest*

## 30Kw Smart Nano Grid

↔ [smartnanogrid.net/SmartVillageNanogrid/](http://smartnanogrid.net/SmartVillageNanogrid/)

**Client:** The Odisha Renewable Energy Development Agency  
Wärtsilä India Private Limited

*About: A smart Nano Grid comprising of 30 Kw solar power plant and providing supply to 115 homes in Choakei Village, Odisha. The smart grid is equipped with completely autonomous stem to make it hassle-free to operate. The grid is connected to internet by using a Satellite internet connection. The smart grid features automatic billing, smart scheduling, overload detection and many safety features.*

*1st prize in Smart Village Category, Smart City EXPO 2016, India.*

NEWS Coverages

↔ [sunmoksha.com/news.html](http://sunmoksha.com/news.html)

Video Coverages

↔ [sunmoksha.com/video.html](http://sunmoksha.com/video.html)

📧 [bikash.weargenius.in](mailto:bikash.weargenius.in)

✉ [oksbwn@gmail.com](mailto:oksbwn@gmail.com) 📞 +91 9439 421 905

📍 JP Nagar, Bengaluru, INDIA

🐦 [@geekybikash](https://twitter.com/geekybikash) 📺 [/weargenius](https://www.youtube.com/channel/UC...) 📺 [/in/oksbwn](https://www.youtube.com/channel/UC...)

## Area of Interest

IoT, Smart Grid, Smart City, Home Automation

## Skills

JAVA, C, C++, IoT, Content Creation

## Protocols

I2C, SPI, UART, MODBUS, AT Command Sets, TCP/IP Using mbed, Rs-485, BLE, MQTT, REST, LoRa, JSON RPC

## Familiar With

Android, Lua, Python, HTML, PHP, CSS, JavaScript, XML, JSON, MATLAB, MySQL, SQLite

## Software Tools

Eclipse (ULK), Code Composer Studio, Eclipse, Android Studio, Arduino, AVR Studio, MP Lab, Keil, MBED, Google Sketch Up, Trello, Notepad++ (Editor), Visual Studio Coder, Atom, OpenHAB (Home Automation), Thingspeak, TTN, Cadsoft Eagle, Fritzing

## Hardware Platforms

Atmega16, 8051, PIC16F877A, ARM Based Boards (LPC1768, LPC2148), Wipro ULK board, Arduino, Beagle board XM, Beagle bone black, Raspberry Pi, MBED, ESP8266 (Lua),BBC Micro: Bit, Nano Pi, Orange Pi, Codebug, Sonoff Dev. Board, Onion Omega, Linkit Smart 7688, Banana pi D1,ESP32, Blend

## Version Control

Bitbucket, GitHub


## Water Distribution System for Firms

 JK Paper Limited

[nanosoftremote.com](https://nanosoftremote.com)


 Rayagada, Odisha

## Energy Monitoring System

 PoinTec Pens and Energy Pvt.

[nanosoftremote.com](https://nanosoftremote.com)

 Bengaluru, Karnataka

 Sshaasai E Forms Private Limited

 Bengaluru, Karnataka

 Orange County Resorts

 Kabini, Karnataka

 FOURESS Engineering (INDIA) Ltd.

 Bengaluru, Karnataka

## Water Quality Monitoring and Flow Control

[nanosoftremote.com](https://nanosoftremote.com)

 Indo-MIM Pvt. Ltd

 Bengaluru, Karnataka

 Orange County Resorts

 Kabini, Karnataka

## Hybrid Power Plant Monitoring System

[nanosoftremote.com](https://nanosoftremote.com)


 National Institute of Science and Technology  Berhampur, Odisha

 OREDA

 Secretariat, Odisha

## PLC Connected Plant Monitoring

[nanosoftremote.com](https://nanosoftremote.com)

 PoinTec Pens and Energy Pvt. Ltd.



 Bengaluru, Karnataka

 Sshaasai E Forms Private Limited

 Bengaluru, Karnataka

## Fleet Tracking System

[vtslive.in](https://vtslive.in)

 National Institute of Science and Technology  Berhampur, Odisha

 CV Raman College of Engineering  Bhubaneswar, Odisha

 Silicon Institute of Technology  Bhubaneswar, Odisha

## Essential Series Articles

 IoT and Security [↗](#)

 Single Board Computers [↗](#)

 The CoAP Protocol [↗](#)


 How to Place an Antenna for Optimal RF Performance [↗](#)

 SigFox – A Wide Area Network Protocol for IoT [↗](#)

 Advanced Message Queuing Protocol (AMQP) [↗](#)

## Projects

 Twitter Sentiment analyzer with Pi and TensorFlow

 Electronic Components sorter using Pi and Nanonets

## Personal Details

**PAN:** BPUPP8284F

**Marital Status:** Unmarried

### Permanent Address

S/o- Krutibas Panda  
SBI Road, Sonapur  
Subarnapur, Odisha  
INDIA-767017

## Website/Blogs

 SBCFinder [sbcfinder.com](https://sbcfinder.com)

*A website or kind of database for all type of Single Board Computers. It lets user compare SBCs one to one.*

 WeArGenius [weargenius.in](https://weargenius.in)

*A blog where I publish all my spare time activities with electronics ad my home automation system.*

 YouTube [youtube.in/weargenius](https://youtube.in/weargenius)

*YouTube Channel where I publish tutorials on IoT and Embedded system.along with Home Automation.*