

## Assignment A4

Q.1] What are the different types of sensors available.

- i) Negative temperature coefficient provides a very high resistance at low temperature.
- ii) Resistance temperature detector (RTD) measures temperature by correction.
- iii) Thermocouple: The variety voltage between these two points.

Q.2] What is the form SPI?

- i) Serial peripheral interface is a synchronous serial common interface, specification for short distance common peripheral in embedded system.
- ii) The master device originates frames for reading and writing.

Q.3] Discuss import Spider.

- Spider contains a python module for interfacing with SPI Devices from your space via Spider.

```
spi = spider.spider ()
```

```
spi : open (0,1)
```

```
try:
```

```
while (true):
```

```
    resp = spi x for (0xAA)
```

```
    end which
```

```
except keyboard interrupt.
```