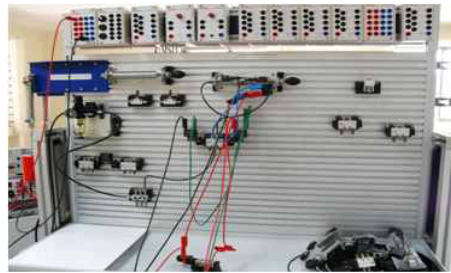
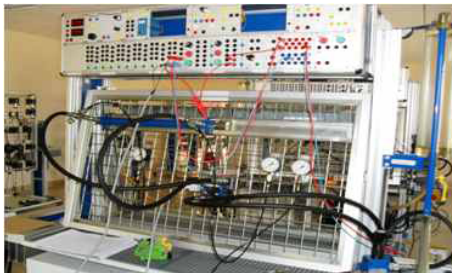




## **On Campus Industrial Internship/Training Programs for PG &UG Students in Automation Technology**

**For Electronics and Communication, Electrical and Electronics, Computer Science,  
Instrumentation Engineering, Mechanical & Production Engineering**

RNSIT-Bosch Rexroth Centre of Excellence in Automation Technology is providing training in the area of Industrial Automation. This training Centre is established as part of MOU between RNSIT and Rexroth Bosch Group. The Centre is equipped with all necessary infrastructures to impart training on industrial automation. The students who undergo the training receive a certificate attested by the authorities of Bosch Rexroth India Ltd. which helps the students to take up a career in industrial automation.



As a leading specialist in drive and control technology and a promoter of Industry 4.0, Bosch Rexroth has a unique level of expertise. We are keen to pass on this knowledge. In the Drive & Control Academy, we support customized education and training, as well as the certification of technical experts – focused on the requirements of Industry 4.0.

### **Features of the Training Program:**

- ❖ Fundamental concepts in the area of industrial automation are covered.
- ❖ Lecture sessions from Industrial faculty and experts are supported by demonstrations and applications videos.
- ❖ Hands on training on advanced trainer systems supplied and commissioned by Rexroth – Bosch AG, Germany.
- ❖ The course module is designed in consultation with Rexroth – Bosch , Germany to suit the current industrial trends.
- ❖ Industrial visit to visualize the present day corporate practices.
- ❖ A course completion certificate authenticated by Rexroth Bosch India Pvt. Ltd.
- ❖ Mid-Course and final tests conducted to ensure the learning of the course objectives.
- ❖ The students who undergo the training receive a certificate attested by the authorities of Bosch Rexroth India Ltd.

The students who aspire to pursue a career in the field of industrial Automation are required to be well acquainted with the basic knowledge of essential components of Industrial Automation such as Hydraulics and Pneumatics devices, Programmable Logic Controller (PLC) and Sensorics. In the view of this, the training on these aspects of Industrial Automation has become need of the hour.



## On Campus Industrial Internship for UG Students

**Target:** BE/B-Tech with stream in Electronics and Communication, Electrical and Electronics, Instrumentation Engineering, Computer Science.

| Sl.No | Topics Covered     | Duration |
|-------|--------------------|----------|
| 1.    | Basic PLC          | 21 Hours |
| 2.    | OCE /Industry 4.0  | 21 Hours |
| 3.    | Drives             | 07 Hours |
| 4     | Electro Pneumatics | 07 Hours |
| 5.    | Industrial Sensors | 07 Hours |
| 6.    | Industry Visit     | 2 Days   |
| 7.    | Case Study         | 1 Week   |
| 8.    | Report Preparation | 1 Week   |
|       |                    |          |

**Target:** BE/B-Tech with stream in Mechanical & Production Engineering.

| Sl.No | Topic                 | Duration |
|-------|-----------------------|----------|
| 1.    | Basic PLC             | 21 Hours |
| 2.    | Industrial Hydraulics | 21 Hours |
| 3.    | Industrial Pneumatics | 21 Hours |
| 4.    | Industrial Sensors    | 07 Hours |
| 5.    | Industry Visit        | 2 Days   |
| 6.    | Case Study            | 1 Week   |
| 7.    | Report Preparation    | 1 Week   |
|       |                       |          |

**Note :** Prior Registration is required for a limited batch size of 15 participants only and the seat will be reserved against the receipt of payment.

Contact the undersigned for further query ...

Mrs.Dolly Rajdev  
Coordinator (Bosch Rexroth)  
[training@driveandcontrols.co.in](mailto:training@driveandcontrols.co.in)  
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9972899448



**Internship Training Schedule for UG Students**

**For ECE, IEI, EEE Students (15 students/ Batch)**

| <b>SI No.</b> | <b>Topics</b>      | <b>Dates</b>    | <b>Time</b>         |
|---------------|--------------------|-----------------|---------------------|
| 1             | PLC                | 1,2,3 August    | 10.00 AM to 4.00 PM |
| 2             | Industrial Sensors | 4 August        | 10.00 AM to 4.00 PM |
| 3             | Industrial Drives  | 5 August        | 10.00 AM to 4.00 PM |
| 4             | Electro Pneumatics | 6 August        | 10.00 AM to 4.00 PM |
| 5             | OCE/Industry 4.0   | 18,19,20 August | 10.00 AM to 4.00 PM |

**For Mechanical Students( 15 students / Batch)**

| <b>SI No.</b> | <b>Topics</b>         | <b>Dates</b>    | <b>Time</b>         |
|---------------|-----------------------|-----------------|---------------------|
| 1             | Industrial Hydraulics | 29,30,31 July   | 10.00 AM to 4.00 PM |
| 2             | Industrial Sensors    | 4 August        | 10.00 AM to 4.00 PM |
| 3             | Industrial Pneumatics | 11,12,13 August | 10.00 AM to 4.00 PM |
| 4             | PLC                   | 25,26,27 August | 10.00 AM to 4.00 PM |

**Registration for the Internship will start from 21<sup>st</sup> June 2017 at RNSIT- Bosch Centre of Excellence in Automation, 2<sup>nd</sup> floor, Mechanical Department, RNSIT.**

**Contact the undersigned for course contents and further query ...**

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## On Campus Industrial Internship for PG (M - Tech) Students

August 2017- November 2017

Duration of the Industrial Internship for Post Graduate Students (M.Tech): 16 Weeks

**Target:** M.Tech with stream in Electronics and Communication, Electrical and Electronics, Instrumentation Engineering, Computer Science.

| Sr.No | Topics Covered                               |
|-------|--|
| 1.    | Basic PLC                                    |
| 2.    | Open Core Engg/ Industry 4.0                 |
| 3.    | Electro Pneumatics                           |
| 4.    | Sensorics                                    |
| 5.    | Drives                                       |
| 6.    | Industry Visit                               |
| 7.    | Case Studies/Projects based on above modules |
| 8.    | Report Preparation                           |
|       |  |

**Target:** M.Tech with stream in Mechanical & Production Engineering.

| Sr.No | Topics Covered                                 |
|-------|--|
| 1.    | Basic PLC                                      |
| 2.    | Industrial Hydraulics                          |
| 3.    | Industrial Pneumatics                          |
| 4.    | Sensorics                                      |
| 5.    | Interfacing                                    |
| 6.    | Industry Visit                                 |
| 7.    | Case Studies / Projects Based on above Modules |
| 8.    | Report Preparation                             |
|       |  |

**Note :** At least One week Prior Registration is required for a limited batch size of 15 participants only and the seat will be reserved against the receipt of payment.

Contact the undersigned for further query ...

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**Training calendar- Industrial Internship for Mtech Students**  
**Duration – 07<sup>th</sup> Aug 2017 To 30 Nov 2017**

| <b>Sl.No</b> | <b>Topics</b>                                   | <b>Schedule</b>                                |
|--------------|---|--|
| 1.           | Basic PLC                                       | 07 <sup>th</sup> Aug to 11 <sup>th</sup> Aug   |
| 2.           | Case Studies PLC                                | 14 <sup>th</sup> Aug to 18 <sup>th</sup> Aug   |
| 3.           | Basic Pneumatics                                | 21 <sup>th</sup> Aug to 25 <sup>th</sup> Aug   |
| 4.           | Electro Pneumatics II                           | 28 <sup>th</sup> Aug to 1 <sup>st</sup> Sept   |
| 5.           | Case Studies Pneumatics                         | 04 <sup>th</sup> Sept to 08 <sup>th</sup> Sept |
| 6.           | Industrial Drives                               | 11 <sup>th</sup> Sept to 15 <sup>st</sup> Sept |
| 7.           | Case Studies Drives                             | 18 <sup>th</sup> Sept to 22 <sup>nd</sup> Sept |
| 8.           | Sensorics                                       | 25 <sup>th</sup> Sept to 27 <sup>th</sup> Sept |
| 9.           | Case Study Sensorics                            | 03 <sup>rd</sup> Oct to 6 <sup>th</sup> Oct    |
| 10.          | OCE /Industry 4.0                               | 16 <sup>th</sup> Oct to 20 <sup>th</sup> Oct   |
| 11.          | Case Studies Ad.PLC                             | 23 <sup>rd</sup> Oct to 27 <sup>th</sup> Oct   |
| 12.          | Industry Visit & Project based on above Modules | 1 <sup>st</sup> Nov to 17 <sup>th</sup> Nov    |
| 13.          | Report Preparation and Final Assessment         | 20 <sup>th</sup> Nov to 30 <sup>th</sup> Nov   |

**Contact the undersigned for further query ...**

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**Industrial Training Programs in Automation Technology**

**For Diploma / UG / PG Students – All Disciplines of Engineering, Working Engineers & Technicians.**

**Intake: 15 seats / Program**

**The Centre of Excellence offers following courses:**

| <b>SI No.</b> | <b>Industrial Training Programs</b> | <b>Duration</b> |
|---------------|-------------------------------------|-----------------|
| 1.            | Programmable Logic Controllers(PLC) | 21 Hours        |
| 2.            | Industry 4.0                        | 21 Hours        |
| 3.            | Industrial Hydraulics               | 21 Hours        |
| 4.            | Industrial Pneumatics               | 21 Hours        |
| 5.            | Industrial Sensors                  | 14 Hours        |
| 6.            | Industrial Drives                   | 14 Hours        |

**Click Here For Course Contents:**

**Contact the undersigned for further query ...**

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