

# DON BOSCO COLLEGE OF ENGINEERING

**Fatorda - Goa**

## PLACEMENT BROCHURE 2017 - 2018



## OUR VISION

To evolve as a Centre of Excellence for professional education, fostering innovation, entrepreneurship, research and consultancy, by providing a holistic learning environment, thus ensuring integral development of the youth, the Don Bosco way.

## OUR MISSION

- To provide quality education and training with global perspective that produces engineers with professionalism and ethics.
- To emerge as a focal point for research and consultancy services through advocacy and collaboration with prestigious institutions, industry and all other stakeholders, locally and globally.
- To promote innovation by providing state of the art incubation facilities.
- To foster integral development through career counselling, skill upgradation and entrepreneurship initiatives.
- To impart value education and encourage extra-curricular activities and community outreach programmes for personal growth and social transformation.

## MESSAGE BY DIRECTOR



St. John Bosco, Our Father and Founder, had two maxims, viz - “We cooperate in building a society more just and worthy of human dignity,” and “We go to the young to prepare them to take their place with dignity in society and to alert them to the role they must play in transformation of social life.”

In keeping with the above maxims, our Training and Placement Office has been leaving no stone unturned when it's a matter of the future of our students.

We groom our young and bright students through in-house forums and regular classes in Value Education. We are also trying to introduce the best practices carried out in the industry through industry – institute interaction. We always aim at enriching the work-life of our students “by preparing them to take their place with dignity” and therefore we ensure that our youngsters give a long and fruitful innings to their employers.

**- FR. KINLEY D'CRUZ**

## MESSAGE BY PRINCIPAL

Our Vision is to evolve as a Center-of-Excellence for professional education, fostering innovation, entrepreneurship, research and consultancy, by providing a holistic learning environment thus ensuring integral development of the youth. Apart from academics, co-curricular activities, sports and cultural development form an important part of the life at our institute. We strive for excellence by preparing students to learn beyond their curriculum.



Our Training and Placement Cell is supported by a team of committed faculty which act as a vital interface to bridge the gap between industry and academia. The cell maintains a very cordial relationship with all recruiting industries and also prepares the students to face the competitive world.

- DR. NEENA S. P. PANANDIKAR

## MESSAGE BY TRAINING AND PLACEMENT OFFICER (TPO)



It is indeed a proud moment that the 4th batch of academically strong, well groomed and industry trained graduates is being rolled out in 2018. The world looks at India as a leader for future innovations and inventions in the next industrial revolution. With Govt. of India's initiative, Make-In-India program, we at DBCE wants to play an important role by contributing to the program by providing academically excellent, industry ready and highflier Engineers.

The aim of Training and Placement cell is to make DBCE the Center of Excellence in the region and the nodal center for placement activities in Goa and beyond.

Training and Placement cell invites all prospective companies to visit the campus for recruiting our graduating students. The date of visit can be finalized based on mutual convenience.

- RAJESH GAONKAR

## DEPARTMENT INFORMATION

### CIVIL ENGINEERING

#### **Workshops conducted during academic year 2016-17:**

- ★ Concrete Mix Proportioning Workshop in Collaboration with UltraTech Cement
- ★ Workshop on Remote Sensing and GIS
- ★ ISTE-ECI approved workshop on "Advances in Concrete Technology" by resource persons from the construction industry



#### **Seminars:**

- ★ "Making of Quality Concrete" in association with Ultratech Cement Ltd.
- ★ "Structural Design- Case Study" by Er. Shekhar Panandikar (MD, Panandikar Associates)
- ★ "Seminar on Structural Engineering" by Prof. Dr. Babunarayan (NIT, Kolkata)
- ★ "Valuation of Assets" by Er. Thomas D'Costa (Civil Consultant)

### MECHANICAL ENGINEERING

#### **Industry Tie-ups:**

- ★ Collaborated with Cartini India Ltd. to train their employees for various manufacturing skills. (Skill Development Centre under "Pradhan Mantri Kaushal Vikas Yojana")

#### **CoE (Center of Excellence):**

- ★ "Automated Inspection System with image processing and machine vision capabilities" sponsored by Turbocam India Ltd.



#### **Seminar conducted during academic year 2016-17:**

- ★ "Work Culture in Industries" by Industry resource persons
- ★ "Recent trends in Automobile Sector" by Industry resource persons

### **Industrial Visits during academic year 2016-2107:**

- ★ Vedantes Mines, Coca Cola, Netzsch Pumps and Systems Pvt. Ltd, Ashok Leyland Service Center, City Aluminium, Quality Foods, Kaiga Nuclear Power Plant

### **ELECTRONICS AND TELECOMMUNICATION ENGINEERING**

#### **Workshops conducted during academic year 2016-17:**

- ★ A five day TEQIP-II ISTE training program on "Industrial Automation and Virtual Instrumentation" (attended by Industry professionals)
- ★ Workshops on LabVIEW, PCB Design & Image Processing



#### **Seminar conducted during academic year 2016-17:**

- ★ Mr Norbert Brian Dsouza, Consultant-TCS, on "Electronics in Industry Verticals"
- ★ Mr Jerald Leo, Quality Manager-Siemens Ltd. on "Reliability and Testing"
- ★ Mr. Sachin Talwadkar, Associate Consultant-TCS, on "Introduction to Manufacturing Industry"

### **COMPUTER ENGINEERING**

#### **Workshops conducted during academic year 2016-17:**

- ★ CCNA Basic by IPGATES
- ★ IOT by Pravin Hinchal (Head, Inwizz Solutions)

#### **Seminars:**

- ★ "Current Technology Trends" in Industries by Mangirish Salelkar (CEO, UmangSoftware)
- ★ "Digital Marketing" by Sudhir Shetty (CEO, Expressotive)



#### **Field Visits:**

- ★ INFINITY 3D, Verna Goa, National Centre for Antarctic & Ocean Research and Naval Aviation Museum Vasco Goa, BSNL Telephone Exchange-Altinho, Panjim and Goa State Central Library-Panjim Goa

## RESEARCH

DBCE facilitates and supports cutting-edge research in a wide variety of areas. The faculty selection procedure places a strong emphasis on candidates' research record and future research potential.

The undergraduate students also work on their major projects in the final year of their study, which involves solving current industrial and research oriented problems.

## CONSULTANCY

**CIVIL:** Geotechnical Engineering, Structural Engineering

**Clients:** ACC Concrete, MVR, KRCL, S. N. Bhobe

**MECHANICAL:** Manufacturing, Maintenance, Testing & Training in Automation, CAD/CAM

**Clients:** Godrej & Boyce, Zarak Molding & Zuari Agro Ltd.

**COMPUTER:** Successfully completed MIS software for Goa Traffic Police.

**Clients:** Sponge P. Ltd., Software for Cyber Crime Branch, Two DRDO projects in final stage for acceptance

## INNOVATION & ENTREPRENEURSHIP CELL (I & E Cell)

Entrepreneurship Cell is a non-profit student's organization dedicated to promote the spirit of Innovation and Entrepreneurship among students of Don Bosco College of Engineering. The Vision of the Cell is to create world-class Innovators and Entrepreneurs.

### Activities Conducted:

Entrepreneurship Awareness Camp: 3-day workshop on “How to start SSI unit, Funding by various bodies, Govt Schemes, Creativity and Business”.

### Seminars/Talks by Start-ups/ Entrepreneurs:

- ★ Dr. Fraddy D'Souza (*Fellow & Area Convener, TERI Coastal Ecology and Marine Resources Centre*)
- ★ Rohan Naik (*Freelancer/Music Production Head, Helvetica Studio*)
- ★ Gilbert Mendes (*Proprietor - Electro Curve Marketing Solutions, Partner-*

- ★ Buckterleaf mobile app)
- ★ Nikhil Divekar (CEO/Founder, KOKM Juicery Pvt. Ltd.)
- ★ Mayuresh Nadkarni (Co-Founder, YSM Media Labs Pvt. Ltd.)



**Seminar on Incubation**



**Seminar on Innovation**



**Seminar on Entrepreneurship**



**Seminar on Business Plan**

**Training and Placement Cell Activities**

<b>Name of Event</b>	<b>Resource Persons</b>	<b>Audience</b>
Project Planning and Financial help	Corporate Experts	All TE Students
Career opportunities after Engineering	Corporate Experts	All BE Students
Internship Mela Students	Goan Startups	B.E. Computer
Financial Planning for Young Engineers	Financial Experts	All BE Students

## PLACEMENT PHOTOS



**Pre-Placement Training**



**Pre-Placement Talks**



**Online Aptitude Test**



**Online Technical Test**



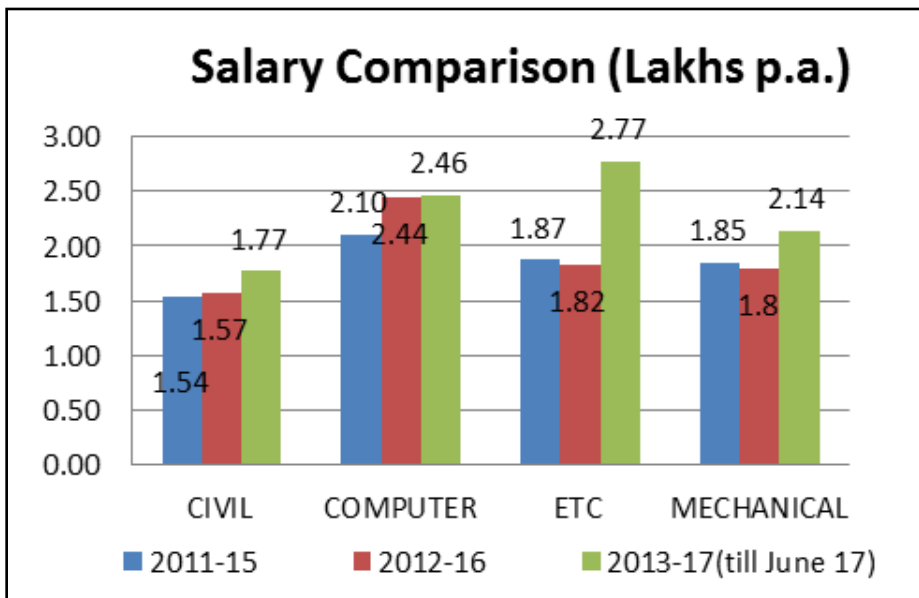
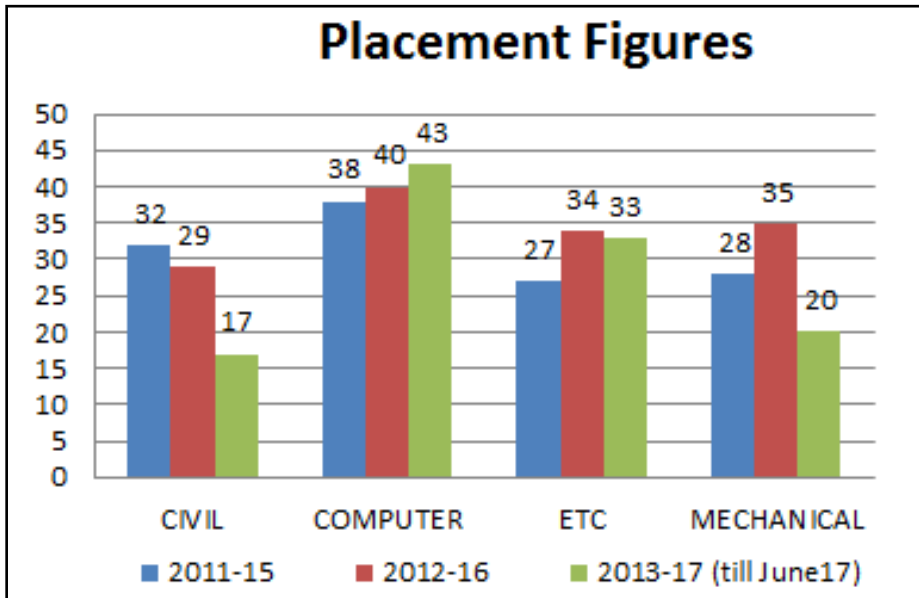
**Group Discussions**



**Personal Interviews**



## PLACEMENT STATISTICS



## OUR RECRUITERS



## Propagating agricultural practices amongst students

■ NT KURIKOITY

Technology is fast affecting the way we grow crops which allows the farming business to be more profitable, efficient, safer and environment friendly. Information and Communication Technologies (ICT) in agriculture is an emerging field focusing on the enhancement of agricultural and rural development in India. It involves application of innovative ways to use ICT in the rural domain. With this in mind, the department of computer engineering, Don Bosco College of Engineering (DBCE) organised a one-day seminar on the 'Role of Information and Communication Technology (ICT) in Agriculture'.

Present at the seminar were faculty and students from Don Bosco College of Agriculture (DBCA), Sulcorna. Around 85 students along with six faculty members of DBCA, Sulcorna visited the institute to be a part of this programme.

The first speaker for the seminar was Parag Rangekar who is a nature enthusiast and proprietor of Mrugaya Nature Retreat, Amboli. Rangekar spoke on various categories of insects, butterflies and moths that help with pollination and are beneficial for farming as well as insects which are pests. He spoke at length about the need for good entomologists and taxidermists - a profession which contributes greatly to scientific fields, such as forensics, molecular science, biology, agriculture, chemistry and animal and human health.

The second speaker was a local horticulturist and organic farming expert Terency Luis. She has studied the art of organic farming and takes great pride in maintaining her own kitchen garden which provides basic food for her family and friends. She spoke at about her distaste for pesticides and her method of clean farming. She shared pictures of her garden and its produce. Luis introduced students to a method of raised garden beds called hugelkultur. She started out by trying the concept of a Square Foot Farm which eventually turned out to occupy her entire backyard as her passion for farming continued. She encouraged students to build the online



farming concept by sharing their knowledge so that everyone can contribute and benefit by living a clean and holistic lifestyle.

The third speaker was officer from the Agriculture Department of Goa, Sailesh Gandhi who explained the use and benefits of the Krishi Card - a digital card that will serve as a gateway for farmers to avail benefits such as subsidies, assistance and loans from the state. He went on to explain that the Krishi Card will introduce a mechanism to identify all Goan farmers and maintain a history of the land holdings, assets and subsidies availed.

The fourth speaker for the day was head of department, computer engineering, Gaurang Patkar. He explained the meaning of ICT and classified the traditional and modern methods of information technology that is applicable in the field of agriculture. He provided examples of various new farming techniques such as hydroponics and smart gardens.

## DBCE Mechanical students develop 'Automated Tile Polishing Robot'

■ NT KURIKOITY

The year Mechanical Engineering students of Don Bosco College of Engineering, Bannari, Sulcorna, under Professor Eufemio Rodrigues' guidance and supervision, have developed and tested a prototype of the 'Automated Tile Polishing Robot'.

The project was guided by the former for the robot's positioning, control, and navigation. The robot is smaller in size and overall makes the entire polishing process more efficient and less costly. It also has the ability to detect any dependency on human workers. The robot's operation is controlled by a computer which is connected to a Raspberry Pi. The robot is powered by a battery.



The robot is powered by a battery and is controlled by a computer. It is designed to be used in a variety of settings, including in homes and in industrial settings. The robot is made of metal and is very durable. It is also very easy to use and can be operated by anyone.

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## Don Bosco College of Engineering organises FDP



Faculty members for the Raspberry-PI Programme

■ NT KURIKOITY

"The one who dares to teach must never cease to learn." Keeping these thoughts in mind and in order to meet the ever changing technology needs, the department of electronics and telecommunication engineering of Don Bosco College of Engineering, organised a two-day faculty development programme (FDP) on 'Raspberry PI' for the faculty members of Engineering colleges and Polytechnics.

The FDP started with a brief overview of the architecture of the Raspberry Pi. Complete installation process right from loading of the operating system onto the Raspberry and mapping the IPs was shown.

Python programming language was introduced along with an understanding of the General Purpose Input/output (GPIO) interface, followed by hands-on session where T-SOP and Ultrasonic sensors, LEDs and motors were interfaced with the Raspberry Pi.

The FDP ended with a valedictory programme, wherein faculty members were awarded certificates for the same. Principal of Don Bosco College of Engineering, Neena Pandanikar and professor, head of department of electronics and telecommunication department, Michelle Araujo appreciated resource person Milroy Dourado for his in-depth knowledge in the domain. While, professor Mathilda Coloco read the report of the two days of FDP.



## DBCE students' industrial visits

■ NT KURIKOITY

Mechanical engineering students of Don Bosco College of Engineering, Bannari, Sulcorna, visited various industries as part of an industrial visit. The students were treated to a tour in practice by the companies and the industrial personnel. The visit was a great opportunity for the students to gain practical experience and to interact with the industry professionals.

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तरुण भारत

गोवा पत्र ३

# मलेशियातील कापणी तंत्रज्ञान स्पर्थेत गौरांग पाटकर अंतिम फेरीत

प्रतिष्ठा  
पाठक  
मलेशियातून पाठक यांनी कोणत्या कापणी तंत्रज्ञानाची माहिती देण्याची गरज आहे. यासाठी पाठक यांनी मलेशियातून कापणी तंत्रज्ञानाची माहिती देण्याची गरज आहे. यासाठी पाठक यांनी मलेशियातून कापणी तंत्रज्ञानाची माहिती देण्याची गरज आहे.

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**DON BOSCO COLLEGE OF ENGINEERING,  
FATORDA, MARGAO,  
GOA- 403 602.**

Tel No.: (0832) 2741045 / 2743944

Fax No.: (0832) 2742648

E-mail : [dbcefatorda@dbcegoa.ac.in](mailto:dbcefatorda@dbcegoa.ac.in)

**Mr. RAJESH GAONKAR**

*Training and Placement Officer*

*MBA (Marketing & HR)*

*Email: [tpo@dbcegoa.ac.in](mailto:tpo@dbcegoa.ac.in)*

**Prof. ROSELINE FERNANDES**

*Assistant Training and Placement Officer*

*B.E. (Computer), MBA*

*Email: [roseline.fernandes@dbcegoa.ac.in](mailto:roseline.fernandes@dbcegoa.ac.in)*

**Ms. AVILA NAIK**

*Assistant Training and Placement Officer*

*M.A. (English)*

*Email: [avila.naik@dbcegoa.ac.in](mailto:avila.naik@dbcegoa.ac.in)*