



# NIRZER

NEWSLETTER OF MECHANICAL ENGINEERING DEPARTMENT



## Events & Activities

Date	Event
18 <sup>th</sup> Dec to 16 <sup>th</sup> Jan 2016	Student internship period
27 <sup>th</sup> January 2016	National IIE foundation day celebration
2 <sup>nd</sup> Feb to 10 <sup>th</sup> Feb 2016	IIE Graduateship examination
12 <sup>th</sup> to 15 <sup>th</sup> February 2016	Third year students participate in National Go-Kart Championship.
2 <sup>nd</sup> March 2016	Entrepreneurship development talk
7 <sup>th</sup> March 2016	Festo India Talk
10 <sup>th</sup> March 2016	Careers in Indian Navy talk
12 <sup>th</sup> March 2016	Field visit to Chowgule Industries, Borim for third year students
13 <sup>th</sup> March 2016	Department faculty participate in Goa Marathon 2016
19 <sup>th</sup> March 2016	Network Techniques for Project Management workshop
31 <sup>st</sup> March - 2 <sup>nd</sup> April 2016	SPECTRUM Technical Festival
7 <sup>th</sup> April 2016	Field visit to Cartini India Ltd, Madkai for final year students.
15 <sup>th</sup> April 2016	Field visit to Kinco Kaman Composites, Pilerne for final year students.
22 <sup>nd</sup> April 2016	Field visit to MRF, Usgao for final year students.
30 <sup>th</sup> April 2016	Electrical Engineering for Mechanical Engineers workshop
03 <sup>rd</sup> May 2016	Third Prof Uday Amonkar Memorial Lecture & IIE Goa Chapter foundation day celebration
6 <sup>th</sup> May 2016	B.E. Mechanical class of 2016 farewell function
28 <sup>th</sup> June 2016	Farewell to Prof. D.V.Shirodkar and Smt. Kamallava Chinavar

## Departmental News

- IIE Goa Chapter conducted the Graduateship exams in the month of February. Shri Milind Sakhardande was the Chief Exam Superintendent and was assisted by Shri Gajesh Usgaonkar.
- Prof. Rajesh Prabhu Gaonkar, Prof. Akshay Nigalye and Prof. Suraj Rane attended the 28<sup>th</sup> annual convocation of Goa University on 5<sup>th</sup> February 2016.

- Department faculty and students actively participated in the ‘Clean Goa Initiative’ in the GEC campus on 12<sup>th</sup> February 2016.
- Dr. Antonio Mascarenhas, Senior Principal Scientist at National Institute of Oceanography (NIO), Dona Paula delivered a talk on the state-of-the-art research at NIO on 12<sup>th</sup> February 2016 for the T.E. Mechanical students.
- Prof. Akshay Nigalye, Prof. Vinay Shirodkar, Dr. Shridhar Mhalsekar, Shri B.S. Manohar Shankar and Shri Mahesh Caisucar were deputed as centre representatives for GCET examination on 10<sup>th</sup> and 11<sup>th</sup> May 2016.
- Shri Harichandra Chandekar attended International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016) held on 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> May 2016 at Mahatma Gandhi University, Kottayam, Kerala.
- Prof. Rajesh S. Prabhu Gaonkar, Prof. Akshay Nigalye and Shri Milind Sakardande are part of Golden Jubilee celebration organizing committee formed to organize various activities and events from July 2016 to June 2017.
- Shri Mahesh Dhawalikar was appointed as Chief Conductor for Goa University Bachelor of Engineering, May/June 2016 Examination.
- Dr. Raghavendra Nailk attended a QIP short term course on “Monte Carlo Simulations of Complex Biological Systems” from 13<sup>th</sup> to 17<sup>th</sup> June 2016 at IIT Bombay.
- PhD research proposal of Shri Milind Sakardande and Shri Mahesh Caisucar got accepted by Doctoral Research Committee (DRC) of Mechanical Engineering Department.
- Dr. Shridhar Mhalsekar and Shri Mangaldas Gaonkar were the coordinators for the conduct of Internal Test Examination.
- Prof. Rajesh Prabhu Gaonkar’s publication titled “Subjective operational reliability assessment of maritime transportation system” published in Expert Systems with Applications, Volume 38, Issue 11, Year 2011, pp. 13835 -13846, has been cited in a journal published by Elsevier in 2016. Till date 16 documents (Articles, Conference Papers & Review) have cited the above journal paper.
- Shri Mahesh Dhawalikar was invited as resource person at Don Bosco College of Engineering, Fatorda during TEQIP-ISTE workshop on “Engineering Management Strategies for Sustainable Development” on 9<sup>th</sup> May 2016.
- Prof. Akshay Nigalye takes over the charge of Workshop Superintendent from 1<sup>st</sup> July 2016.



## National Foundation day celebrations of IIIE

Report by Dr. Rajesh S. Prabhu Gaonkar

The Goa Chapter of Indian Institution of Industrial Engineering (IIIE) celebrated the 59<sup>th</sup> IIIE foundation day on 27<sup>th</sup> January 2016 at Information Technology Department Auditorium, Goa College of Engineering, Farmagudi. This year, the theme for foundation day celebration was “Swacch Bharat-Sundar Bharat”. IIIE Goa chapter invited two guest speakers as a part of IIIE foundation day celebrations. Dr. M. S. Raghu Nandan, BDS, practicing doctor from Ponda and an active member of the group “People of Ponda” where they carry out activities such as traffic management, garbage management, drug addiction issues, adolescent education, etc. Dr. M. S. Raghu Nandan spoke on the topic “Swacch Bharat-Sundar Bharat”. Another eminent speaker Dr. Purnanand Savoikar, Professor in Civil Engineering Department, Goa College of Engineering, Farmagudi and presently a project leader for United Kingdom India Educational Research Initiatives (UKIERI) project spoke on “Solid Waste Management in India”.

Shri Vivek B. Kamat Director, Directorate of Technical Education, Goa State and President of IIIE Goa Chapter; Dr. V. N. Shet, Principal; Dr. Rajesh S. Prabhu Gaonkar, Chairman IIIE Goa Chapter, Shri Milind J. Sakardande, Secretary IIIE Goa Chapter and Dr. Anant Naik HoD, Information Technology Department graced the occasion. Dr. Shridhar Mhalsekar compeered the function.



Report by Dr Rajesh Prabhu Gaonkar

Indian Institute of Industrial Engineering (IIIE) Goa Chapter at Goa College of Engineering (GEC), Farmagudi organized third Professor Uday Amonkar memorial lecture on 3rd May 2016 being the birth date of Professor Uday Amonkar and the foundation day of IIIE Goa Chapter. The event began with the singing of the national anthem, followed by lighting of the traditional lamp. A newly composed IIIE song was played while lighting the lamp by dignitaries. A brief slide show depicting snap-shots on the life and teachings of Professor Uday Amonkar was presented. Professor D. V. Shirodkar, Workshop Supdt. at GEC and a close associate of Professor Uday Amonkar spoke on the occasion, highlighting the immense contribution of Professor Uday Amonkar to the ever-growing field of industrial engineering in Goa. Prof. Dr. Narayanasamy Sambandam Professor, Dean (Retd.) at National Institute of Industrial Engineering (NITIE), Mumbai was the Guest Speaker. Prof. Sambandam, delivered the memorial lecture titled 'INDUSTRIAL ENGINEERING: A JOURNEY FORWARD'. Dr. Sambandam highlighted critical aspects of Industrial Engineering which are highly successful in productivity improvement. He further added that due to resource constraints at various levels, their

judicious utility can be planned using Industrial Engineering

techniques. He talked on his experiences of consultancy projects as well. Shri Vivek Kamat, DTE, Goa State and President of IIIE Goa Chapter; Dr. V. N. Shet, Principal, GEC; Dr. Rajesh Prabhu Gaonkar, IIIE Goa Chapter Chairman & Head of Mechanical Engineering Department at GEC; Shri Milind Sakhardande, Hon. Secretary of IIIE Goa were present on the occasion. Prof. Vinay Shirodkar compeered the function. The function was partially supported by IIIE NHQ.





## Field Visits for Mechanical Engineering Students!

### Cartini India Limited, Madkai

Report by Shubham Durgavanshi, B.E.Mech

On 7<sup>th</sup> April 2016, the final year students who opted “Fluid Power Control” as their elective visited Cartini India Limited, Madkai, Goa. The students were accompanied by Shri. Mahesh Caisucar and Shri. B.S.Manohar Shankar. The students witnessed various automation processes in the plant where the repeated jobs are being done by electronic machines automatically therefore reducing fatigue for workers. The mechanism for making the ring of the key was very interesting, in which, a wire confined



in a small space moves straight and curls due to space constraint. Various pneumatic cylinders were used along with various valves, all manufactured by FESTO Inc. Even the process of casting of door locks was done by robots. The day of visit to Cartini India limited was a very fruitful day and the students learnt a lot of things.

### Chowgule Shipyard, Borim

Report by Akash Kulkarni, T.E.Mech

The third year Mechanical Engineering students were taken to the ship-building facility of Chowgule and Co., Shipbuilding Division located at Borim on 12<sup>th</sup> March 2016. The students were accompanied in this endeavor by Shri. Gajesh Usgaonkar and Shri. Saurabh Raikar. The company has 2 shipbuilding yards, 2 support units and a central warehouse.

The company started its operations in 2001 and has the unique achievement of delivering 36 vessels in mere 18 months. This facility has the capacity to deliver 6 ocean going cargo vessels per year. The facility operates on the principle of modular construction. In this method, various modules of the ship are constructed separately and then



assembled together. Students were first shown the cutting plant comprising plasma cutting and oxyfuel cutting. Sometimes, cutting is outsourced to CNC cutting plants for components where high accuracy is required. Next, was the welding plant. This plant has facilities such as CO<sub>2</sub> welding, Submerged arc

welding, TIG welding and Stud welding. It also has automated welding wagons to help increase speed and efficiency. This shed also contains various other stations like Painting and Blasting unit, Panel fitting Unit etc. A module typically spends 5 days in a plant before being sent ahead.

The students were then taken to the pipe repair and hatch cover fabrication shed where they were shown the various types of pipe fittings used. The final stop of this tour was the outfitting jetty. Here, the students were shown the Outfitting jetty from which ships are launched. This jetty can launch ships of around 5000 DWT. They were taught about the various challenges and techniques that involved in launching a ship into water. They were also shown the recently launched Coast Guard vessel, Tatrakshak, which was constructed by this shipyard. The vessel will be completed at Goa Shipyard. The students learnt about various manufacturing and quality control processes employed in industries.

## **Kineco Kaman Composite Structures, Pilerne**

**Report by Surjdeo Singh, B.E.Mech**

An industrial visit was organized by Mechanical Engineering Department, Goa college of Engineering on 15 April 2016 for the students opting for FRC (Fiber Reinforced Composite) as their elective subject in Final Year. A total of 31 students were accompanied by Shri Harichandra Chandekar for the visit. The visit was aimed at gaining industrial exposure and to let the students have an overview on the activities related to various processes, materials, material handling and safety in manufacturing of Fiber reinforced composite carried out by Kineco Kaman Composite Structure Ltd, Goa.

The company has two units. The first unit manufactures medium to heavy composite parts used for various applications ranging from automobile, LHB coaches, and pressure vessels to marine parts. The second unit is an upgraded facility setup seven years ago. It is a joint venture of Kineco Group, Goa – India and Kaman Aerospace Group, USA. It makes aerospace parts and other high end products for medical and defense application.

We were shown around by Mr. Swapnil (Employee) at the Kineco-Kaman Composite Ltd. The unit mainly uses prepregs of Kevlar, Glass and Carbon fibers with core materials like Aramid, Aluminum for manufacturing of the required parts. The making of the parts from the raw material requires a controlled environment



in which dust, temperature and humidity is regulated. There are special rooms named as CCA (Climate Controlled Area) and ECA (Environment Controlled Area) a total of 750 m<sup>2</sup>, which follow AS9100 rules and regulations. In these rooms, the manufacturing of the parts are carried out. The company plans for upgrading its facilities to meet NADCAP standards soon. The cutting of the parts for further processing is

made possible by a five axis CNC machine especially build for operating on composite materials. The facility also houses an autoclave (2 m dia, 5 m length) where temperature and pressure are varied according to demand in forming composite parts. This facility has three temperature conditioned rooms where the raw material is stored at -18 to -20 degree Celsius .The temperature conditioning is a necessary requirement for the shelf-life of the raw material, hence a dedicated backup system is installed for providing the emergency energy demands for the same. The access was restricted for the facilities under ITAR (International Tariff Ammunition Regulation).At the FRP unit, we were shown around by Mr. A. Rajamohan, Head- Research and Development at the Kineco Pvt. Ltd. This unit makes diverse parts from processes like spray lay-up, hand lay-up, filament binding, compressed molding and other hybrid processes. The raw materials used were mainly glass fiber fabric, glass fiber spools, chopped fibers as fiber raw material and styrene and epoxy as the matrix raw material. This facility houses a four axis filament winding machine with manufacturing sizes as big as 4 meters in length and 3 meters in diameter. High capacity pressure vessels, marine and automotive parts are main production of this unit. The facility is also equipped with huge vacuum machines for meeting the high scale manufacturing demand. The equipments for inspecting pressure vessels and other closed components against any leaks are also available. A root card is assigned for each product from the beginning of the manufacturing process till its dispatch which shows all the processes and inspection the product has gone through. The students were also informed about the impact and applications of fiber reinforced composite in aerospace and automobile industry, its future and career opportunities.

## **MRF Ltd., Usgao**

**Report by Shravani Sakhare, B.E.Mech**

An industrial visit was organized by Mechanical Engineering Department, Goa college of Engineering on 22<sup>nd</sup> April 2016 for the final year mechanical students to MRF Company at Usgao. MRF (Madras Rubber Factory) is an Indian Multinational company which manufactures tyres, tubes, conveyor belts etc. It was founded by K. M. Mammen Mappillai at Tiruvottiyur, Madras. Later it developed as a big chain of factories over the entire south India. It has one of its plants located in Goa at Usgao which manufactures tyres.

The students left the college at around 9.30 am. They were accompanied by department faculty Prof. Vinay Shiroadkar and Shri Saurabh Raikar. The students were divided into two groups. The two groups were given the safety instructions before entering the shop floor. All the operations related to the manufacturing of the tyres were shown in detail



with the help of the online processes. Each group was accompanied by an industrial official who guided the students about the methods, advantages, limitations, and the products formed. This field visit nurtured the students with the operations of the tyres and helped them to understand the processes involved in tyre making.



## Expert talks for students!

### Entrepreneurship Development Talk

Report by Nihar Madkaikar, B.E.Mech

MESA organized a talk on entrepreneurship development on 2<sup>nd</sup> March 2016. The resource persons for the talk were Shri. Abhay Bhamaikar, CEO, Founder of Vibrant Skill Sets, Shri. Ryan Cruz Vaz, Founder of Infinity 3D and Shri. D.S. Prashant, Director, CIBA, Verna.

Shri Abhay Bhamaikar spoke about his journey in entrepreneurship and threw light on his struggles after leaving a well-paying job to start his own venture. He spoke about the ethics required to be a successful entrepreneur.

Shri Ryan Cruz Vaz spoke about his experience of starting his own venture right after college. He spoke about the mistakes he made in starting his ventures. He took the audience through his experiences of near bankruptcy and going without lunch for days. He added that he should have completed his MBA when he had an opportunity few years ago as well as suggested some good books that the students should read.

Shri D.S. Prashant a seasoned mentor for startups spoke about how he and CIBA (centre for incubation and business acceleration) can help budding startups. He gave key insights into functioning of startups and the working of CIBA in supporting them.

The event was coordinated by Shri Amey Karmali, Manager, CIBA.



**Shri Abhay Bhamaikar**



**Shri Ryan Cruz Vaz**



**Shri D.S. Prashant**

### Festo India Talk

Report by Shubham Durgavanshi, B.E.Mech

A talk on components used in fluid power applications was given by professionals from FESTO group on 7<sup>th</sup> March 2016 in Mining Department auditorium attended by students of BE Mechanical along with subject faculty Shri Mahesh Caisucar and other department faculty Prof. Vinay Shiroadkar, Prof. Suraj Rane and Dr. Shridhar Mhalsekar. Different types of cylinders, valves and electro pneumatic circuits were shown and their application in industries for automation was demonstrated with help of videos, special noteworthy video was that showing the process of hatching of eggs which was automated. The students were also shown

the FluidSim software for simulation of pneumatic and hydraulic circuit. It was a great talk and a very fruitful day for the students.



## Careers in Indian Navy Talk

**Report by Rajjat Karekar, B.E. Mech.**

Mechanical Engineering Students Association (MESA) organized a talk on Career in the Indian Navy and Merchant Navy. The talk was held on 10<sup>th</sup> March in the Mining Engineering department seminar hall. The function started with a brief introduction given by Mr Mangesh Sardessai, who also introduced the Guest Speaker, Commander A.C. David (Rtd) of the Indian Navy.

The speaker started the talk by saying that Indian Navy focuses on the protection of the country, while Merchant Navy deals with the transportation of cargo as well as passengers. He shared information about the various carrier opportunities in these marine services. He mentioned about the various training programs by TMC shipping Pvt Ltd which students can join after completing their graduation. There was also an interactive session where students could clear their doubts.

The talk was organized for the third and final year Mechanical Engineering students so that they could be made aware of the marine opportunities as they reach a pivotal point in their career. The speaker was presented with a memento by the MESA General Secretary. The function ended with vote of thanks proposed by Mr. Mangesh Sardessai.



## Electrical Engineering for Mechanical Engineers Talk

One day talk on 'Electrical Engineering for Mechanical Engineers' for final year mechanical students was organized on 30<sup>th</sup> April 2016. The guest speaker was Shri Sandeep Vinayak Phadke. He has over 27 years hands-on and managerial experience in the field on Electrical Maintenance in a continuous process plant. The topic of the seminar was aptly chosen and the speaker spoke on wide topics in electrical engineering domain spanning from electrical motors, generators, transformers and their troubleshooting with special emphasis on industrial safety. The event was co-ordinated by Prof. Akshay Nigalye.



## Indian Institution of Industrial Engineering (IIIE) Graduate Ship Exam

**Report by Shri Gajesh Usgaonkar**

IIIE Graduate Ship Examination was conducted by IIIE, Goa Chapter at GEC from 02<sup>nd</sup> February to 10<sup>th</sup> February 2016. A total of 31 candidates answered preliminary, 47 candidates answered Section A and 86 candidates answered Section B examination. All the candidates were from the industry. The exam was conducted for 29 subjects, spread over nine sessions, each session being of three hours duration. The timing for the sessions was in the evening from 6 pm to 9 pm on working days and on Sunday it was in the morning from 10 am to 1 pm. Shri Milind J. Sakhardande, Faculty Mechanical Department, was the Chief Exam Superintendent for this exam, assisted by Shri Gajesh G. S. Usgaonkar also Faculty of Mechanical Department. The examination was conducted smoothly under the guidance of Dr. Rajesh Prabhu Gaonkar, HMED and Chairman, IIIE Goa Chapter. Many IIIE members from the institute and industry took active participation in smooth conduct of exam and were also involved in the invigilation work. The candidates answering the exam expressed their gratitude towards the authorities of IIIE, Goa Chapter, GEC and the Principal, GEC for having the centre in the college, which is the closest centre and avoid travel to distant centres like Pune or Bangalore for answering the exam while availing leave for over a week.



## Faculty visit to Industry/Academic Institutions

### Kineco Kaman Composite Structures, Pilerne

Dr. Rajesh Prabhu Gaonkar, Dr. Suraj Rane and Shri Harichandra Chandekar visited Kineco Kaman Composites Structures Pvt. Ltd., Pilerne on 12<sup>th</sup> February 2016. The visit was in regard to the newly introduced elective “Fibre Reinforced Composites” for final year Mechanical students. The composite industry experts advice on the contents of the syllabus, field visit for the students and industry-academic relation were discussed during the visit. Shri Avanish Dwivedi showed the plant to the faculty during their visit.



### Walchand College of Engineering, Sangli

The Department of Mechanical Engineering at Walchand College of Engineering, Sangli organized a two days “National Workshop on Research Methodology” on 4<sup>th</sup> and 5<sup>th</sup> March 2016. The workshop was inaugurated in the hands of Hon. Shri Vivek Kamat, Director of Technical Education, Goa. The objective of this national workshop was to train the research scholars and the post graduate students to do quality research work and impart knowledge about the various tools and techniques available for carrying out the research. Shri Milind Sakhardande and Shri Mahesh Caisucar, research scholars in Mechanical Engineering Department at GEC attended the two day workshop.



Dr. V. N. Shet, Principal, Goa College of Engineering; Dr. Rajesh Prabhu Gaonkar, HMED, Dr. Ulhas Sawaiakar, Head of Mining Engineering Department, and Dr. Vijay Borges, Faculty in Information Technology Department, GEC also visited Walchand Engineering College Campus during the two day workshop.





GEC faculty visit Walchand College of Engineering, Sangli



## Faculty visit to Industry/Academic Institutions

### BITS Pilani, KK Birla Goa Campus

Prof. Rajesh Prabhu Gaonkar and Shri Harichandra Chandekar visited the Material Testing Laboratory of Mechanical Engineering Department, BITS Pilani, KK Birla Goa Campus at Zuarinagar, Sancoale on 17<sup>th</sup> June 2016. The visit was planned to see the facilities for conduct of practicals in the subject of Engineering Material Science. Dr. Vikas Chaudhari, faculty lab-incharge showed the laboratory facilities at their campus.



The Mechanical Engineering Department, BITS Pilani, KK Birla Goa Campus has procured 100 kN capacity BISS make, Universal Testing Machine with static, dynamic and cyclic load capabilities. The mechanical tests that can be conducted are tension, compression, fracture and fatigue.

### Journal paper citation

Prof. Rajesh Prabhu Gaonkar's publication titled "Subjective operational reliability assessment of maritime transportation system" published in Expert Systems with Applications, Volume 38, Issue 11, Year 2011, pp. 13835 -13846, has been cited in a journal published by Elsevier in 2016. Till date 16 documents (Articles, Conference Papers & Review) have cited the above journal paper.



## Internship data of T.E.Mechanical Students

Name	Company Name	Period	
Bhamaikar Ganesh	M/s Saipoint Cars Pvt Ltd	6-Jan-16	16-Jan-16
Desai Anish	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	16-Jan-16
Ashley Fernandes	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	16-Jan-16
Fulkar Akash	ELBA CONSTRUCTION EQUIPMENTS	26-Dec-15	11-Jan-16
Mohan Naik	IFB Industries LTD	4-Jan-16	15-Jan-16
Kiran Naik	M/s Saipoint Cars Pvt Ltd	6-Jan-16	16-Jan-16
Shounak Gaonkar	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	16-Jan-16
Shaurya Keny	Cartini India Limited, Madkai	18-Dec-15	2-Jan-16
Vaikunth Kossambe	Cartini India Limited, Madkai	18-Dec-15	2-Jan-16
Aditya Kamat	Cartini India Limited, Madkai	18-Dec-15	2-Jan-16
Rajat Narulkar	Chowgule industries Pvt Ltd, Mapusa	4-Jan-16	15-Jan-16
Yogesh Mahale	Chowgule industries Pvt Ltd Mapusa	4-Jan-16	15-Jan-16
Saidatta Mamlekar	MRF ltd.	4-Jan-16	16-Jan-16
Rayan Barreto	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	2-Jan-16
Darpan Chipkar	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	16-Jan-16
Sushant Chougule	Caculo Ford Mapusa	2-Jan-16	16-Jan-16
Sairaj Gadekar	Power Engineering India.Pvt Ltd. Paikane Group	18-Dec-15	16-Jan-16
Astitv Dessai	HYUNDAI Goa Motors Pvt.Ltd Verna	18-Dec-15	16-Jan-16
Datta Gawas	Caculo Ford Mapusa	2-Jan-16	16-Jan-16
Danish Andrews	HYUNDAI Goa Motors Pvt.Ltd Verna	4-Jan-16	16-Jan-16
Yeshwant Majik	Automobile Cooperation Goa Ltd	4-Jan-16	15-Jan-16
Suraj Mhaldar	Caculo Ford Mapusa	2-Jan-16	16-Jan-16
Rajat Fondekar	Automobile Cooperation Goa Ltd	4-Jan-16	15-Jan-16
Sameer Samant	Automobile Cooperation Goa Ltd	4-Jan-16	15-Jan-16
Sudam Shirodkar	Chowgule industries Pvt Ltd, Mapusa	4-Jan-16	15-Jan-16
Roger Barreto	HYUNDAI Goa Motors Pvt.Ltd Verna	2-Jan-16	16-Jan-16
Sandeep S	Elba Construction Equipments	26-Dec-15	11-Jan-16
Chaitanya Phadate	MRF ltd.	4-Jan-16	16-Jan-16
Shubham Phadte	Chowgule industries Pvt Ltd, Fatorda	4-Jan-16	16-Jan-16
Stalin Paroyds	Chowgule and Company Pvt Ltd	4-Jan-16	16-Jan-16
Pheku Sharma	Chowgule and Company Pvt Ltd	4-Jan-16	16-Jan-16
Akhil Bhangui	Chowgule and Company Pvt Ltd	4-Jan-16	16-Jan-16
Valenko Rodrigues	Goa Shipyard Limited	22-Dec-15	12-Jan-16
Aniket Naik	Goa Shipyard limited	4-Jan-16	16-Jan-16
Gleson Gomes	Cartini India Limited, Madkai	18-Dec-15	16-Jan-16

In the wake of GEC's golden jubilee celebration, all the branches came together, with the best of events in the technical area, to have a combined technical festival, "SPECTRUM". The event was held between 31<sup>st</sup> March and 2<sup>nd</sup> April 2016. The inaugural ceremony was held in the Mining Engineering Department seminar hall on the 31<sup>st</sup> of March. It was a formal function which began by lighting of the lamp along with a welcome song being sung. The chief guest for the function was Shri Siddharth Kunkolienkar, hon'ble MLA Panaji constituency and alumnus of GEC. The other dignitaries included Dr. Vinayak Shet, Principal, GEC, Dr Anant Naik, Head of the Information Technology Department, GEC and other teaching and non-teaching staffs from various departments. A large number of students attended the function.



Welcome speeches were given by the faculty coordinator followed by the Principal, HoDs and the chief guest. The Chief Guest being alumnus of GEC was very grateful in expressing his views. He spoke a lot about the college and encouraged the students to work hard in achieving their goal. Spectrum team gave mementos and flowers to the guests and proposed a vote thanks.



The technical events begin soon thereafter. The technical events were held in Information Technology department, Mining Engineering department, Electronics department and Civil Engineering department. The technical events included events like Robowars, Robosoccer, line follower, paper presentation, project presentation, roborace, catapult, truss building, gadget guru, technical debate etc. There were other events like live gaming which were held over a three day course of spectrum. The students of third and final year put a lot of efforts displaying their skills and technical ability in preparing these games.

There were some interesting talks organized by the spectrum team like Google gadgets, Six sense reality etc. Workshops on line follower robot and Arduino & Microcontroller by IEEE were also held .A Musical talent event called “Open Mic hour” was held in Mining Engineering department for musicians.

On the second night of spectrum an Alumni night was organized, where alumni of the college over the years had attended making it a grand ceremony. This included a small function involving speeches by alumni and present faculty of college where success of spectrum was appreciated. Shri Haresh Melwani was the chief guest for the function.

Dr Anant Naik, Head of IT department was the chief coordinator for the event. Participants from colleges all over the state and neighboring states had participated for the event making SPECTRUM 2016 a grand success!





## Team Engico Racing (GKDC 2015-16)

Report by Devendra Bhat, T.E.Mech

Team Engico Racing (TER) is the motorsports team of Goa College of Engineering involved in building Go-karts. Team being composed of 25 enthusiasts from the Mechanical Engineering Department has represented the college in the National Gokart Challenge (NGKC-2014-15) and Gokart Design Challenge (GKDC-2015-16) organized by the Indian Society of New Era Engineers (ISNEE). TER1 is the latest Gokart built by the team and it secured 11<sup>th</sup> position for the GKDC 2015-16.

Pre-final Round for GKDC was in August 2015 at Acropolis Technical complex Indore, Madhya Pradesh and TER made it to the 18<sup>th</sup> position and were selected for the final round with top 100 teams across India. We received our engine and started importing the few readymade parts that were necessary as per the design. Having received the required parts, the manufacturing work began in December. The frame of the kart was fabricated in a record 16 hours. The fabrication of the other parts took 2 weeks. The



assembly and fine tuning was done in the following week. The Kart was ready for testing. Testing was done in 2<sup>nd</sup> week of Jan 2016. The final video of the fully functioning Gokart was prepared and submitted as asked by ISNEE. The final finishing of the Gokart was done catering to the needs of the final round including bodywork and mandatory accessories. The final round was at Kari Motor Speed way, Coimbatore, Tamil Nadu from 12<sup>th</sup> to 15<sup>th</sup> February.

The kart was disassembled and dispatched to Coimbatore 10 days prior to the finals. The Gokart was collected from the transportation company and assembled from scratch in 3 hours. It was submitted to the authorities and remained in parc ferme. The competition started on 12<sup>th</sup> with the disassembly and assembly round. TER managed to disassemble and assemble the go kart in just 7 min and 4 sec. due to the optimized design and was the third fastest team to do so. The kart passed the stringent technical inspection on the 2<sup>nd</sup> day only after exploiting its adjustable ride height feature. This was shortly followed by the turning radius test which the kart cleared with ease. Day 3 involved the major dynamic events starting with the acceleration and brake test. Passing the brake test was mandatory for the kart to be declared safe and TER1 being the only kart with brakes on all 4 wheels sailed through. Simultaneously the business report and CAE report were being presented before the judges by Nihar, Devendra, Sainand, and Keshav. Skidpad and Autocross were next on the list of dynamic events. TER1 being trimmed for racing conditions gave a great performance for the skidpad but was average for the slow autocross layout.

The 4<sup>th</sup> and the final day was reserved for the Endurance Run. It also involved the fuel economy test. Each team had to finish 12 laps with a compulsory 2 minute pit stop. TER1 gave a phenomenal performance under racing conditions, with it covering the 1 km lap in 1 min and 8 seconds.

The kart was driven by Tejas Pethker and it breezed past the other karts due to its speed advantage and excellent grip which meant it could carry a lot more speed through the turns than the competitors. It was also highly efficient due to the moderately high sprocket ratio on the centrifugal clutch transmission. The competition was over on 15<sup>th</sup> February. The Gokart was then immediately disassembled and packed into the crate to be submitted to the transport agency. The results were declared online in which we were ranked 11<sup>th</sup> overall.



The Go-kart and the competition were accomplished due to help of Mechanical Department faculties, Head of the Department Dr Rajesh S. Prabhu Gaonkar, Principal Dr. V.N. Shet, Workshop staff and the collective efforts of the team members. Sponsors of the team too deserve the lion's share of the credit.

## Paper Presentation

- Shri Harichandra Chandekar delivered a short invited talk on “Thermal and Dynamic Mechanical Analysis of Fibre Reinforced Polymer Composites” during the International Conference on Macromolecules: Synthesis, Morphology, Processing, Structure, Properties and Applications (ICM-2016) held on 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> May 2016 at Mahatma Gandhi University, Kottayam, Kerala.
- Shri Vivek Belokar along with co-authors contributed to the work titled “Effect of Compression Ratio, Injection Pressure and Injection Timing on Performance and Smoke Emissions of CI engine Fuelled with Waste Fried Oil Methyl Esters-Diesel Blend” at the International Conference on Processing of Materials, Minerals and Energy. The paper was published in Materials Today Proceedings, an Elsevier publication.



## Workshop on Network techniques for Project Management

Report by Shri Mahesh Dhawalikar

A one day work-shop on “Network techniques for Project Management” was organized on 19<sup>th</sup> March 2016 by Mechanical Engineering department and Mechanical Engineering Students Association (MESA) of Goa Engineering College for future managers to get acquainted with the skills and techniques required for Project management in industries.



The workshop was attended by 72 students of T.E. Mechanical and second semester M.E.Industrial and Shri Mahesh Dhawalikar was the resource person for the workshop.

The workshop introduced Network techniques for project management and comprised of group and individual assignments including Introduction to use of software for project management.

The workshop was co-ordinated by MESA bearers of T.E. Mechanical under the guidance of Shri. Milind Sakhardande, MESA Advisor. Mr. Susim Singh, T.E.Executive of MESA and Mr. Shubham Deshpande, Class Representative of T.E. Mechanical, played key role in co-ordinating the workshop.





## Equipment shifting from I.C. Engine Lab

The Petrol and Diesel engines in the I.C.Engines laboratory were shifted to Models Lab located in Mechanical Annex building on 3<sup>rd</sup> June 2016 under the supervision of Prof. Akshay Nigalye. The heavy machinery called for the need of crane during the shifting activity.



## New engine commissioning in IC Engine Lab

Two new engines installation and commissioning took place on 26<sup>th</sup> February 2016 and 29<sup>th</sup> March 2016 respectively. Mechanical Engineering Department procured brand new petrol and diesel engine for Internal Combustion Engines laboratory at approximate cost of Rs.10 Lakhs.



In the above picture, engine supplier giving a demonstration of engine operation to the faculty. The trial run was conducted and readings were taken following the standard operating procedures.

## Faculty invited as resource person

- The Mechanical Engineering Department of Don Bosco College of Engineering, Fatorda organized a One week TEQIP-II ISTE Short Term Training Programme titled “Computer Aided Engineering Analysis” in association with SDM College of Engineering & Technology, Dharwad from 4<sup>th</sup> Jan to 8<sup>th</sup> Jan 2016. Department faculty were invited as resource person during the STTP. Prof. Rajesh Prabhu Gaonkar conducted a theory session on “Probabilistic Design” for the participants; Prof. Suraj Rane conducted a session on “Reliability and Maintenance Management” which involved hands-on session on probability design analysis using software. Prof. Akshay Nigalye was invited to deliver a talk on “FEM formulation for structural, heat transfer and vibration problems” while Shri Harichandra Chandekar conducted a hands-on session on “Stress Analysis using ANSYS APDL”.



- Shri Vivek Belokar was invited as a resource person for One week ISTE approved STTP on “Maintenance: Modeling, Analysis and Applications” organized by Department of Mechanical Engineering, Agnel Institute of Technology and Design, Assagao from 13<sup>th</sup> June to 17<sup>th</sup> June 2016. He delivered a talk on the topic “System





Reliability” where he demonstrated various methods to attack complex problems. The talk was followed by tutorial session which gave the participants confidence in handling complex system reliability problems.

### Swachh Bharat Abhiyan: Clean Goa Initiative

As part of the 'Swachh Bharat Abhiyan' activities, particularly to create awareness among people about importance of cleanliness at all places, the cleanliness drive in Ponda city, one of the model cities of cleanliness, was organized in January 2016. The faculty members of GEC along with the students participated in clean drive. Dr. Shridhar Mhalsekar & Dr.



Raghvendra Naik were nominated for the cleanliness drive from Mechanical Engineering Department. Her Excellency Smt Mridula Sinha, Hon'ble Governor of Goa, was the chief guest of the function. The Ponda city was divided into few regions where our students and faculty members actively participated in cleaning the city by collecting garbage.

Likewise a cleanliness drive was also initiated in GEC campus on 12<sup>th</sup> February 2016. The faculty members and staff of GEC participated in the clean drive under the Swachha Bharat Abhiyaan. The GEC campus was divided into areas and each department was allotted an area. The Mechanical Engineering Department was



allotted the vicinity of Hanuman temple and the staff quarters area. The faculty along with department students actively participated in the clean drive collecting the waste materials in the campus.

### Republic Day Celebration





A cultural programme was organized on the occasion of Republic Day in the GEC campus followed by a cricket match between Mechanical XI team (Team Captain: Dr. Rajesh Prabhu Gaonkar, HMED) versus GEC XI team (Team Captain: Dr. V.N. Shet, Principal, GEC). The programme was coordinated by Shri Milind Sakhardande, Cultural In-charge and Shri Mahesh Caisucar, Sports In-charge.

## Defence exhibition: DefExpo India

Report by Shri Harichandra Chandekar

The 9<sup>th</sup> edition of DefExpo India, a biennial exhibition on Land, Naval and Internal Homeland Security Systems was organized by Defence Exhibition Organisation of Department of Defence Production, Ministry of Defence from 28<sup>th</sup> March to 31<sup>st</sup> March 2016 was held at Naqueri Quittol in Quepem Taluka of South Goa. The exhibition was inaugurated by Raksha Mantri, Manohar Parrikar.



The exhibition was open for general public on 31<sup>st</sup> March 2016. Our mechanical engineering students accompanied by the department faculty Dr. Shridhar Mhalsekar, Shri Raghavendra Naik, and Shri Harichandra Chandekar visited the DefExpo.



Live demonstration of various equipment including Battle Tanks,

Armored Vehicles and air show was scheduled at Live Demonstration Area inside Defexpo venue. The inaugural ceremony saw live demonstrations of military equipment including Main Battle Tank Arjun Mk I and II, various types of heavy bridging equipment, Wheeled Armoured Vehicle, Sarang Aerobatic team and Naval LCA. MBT Arjun Mk II and Wheeled Armoured Vehicle were being displayed for the first time in any exhibition. 47 countries from different continents took part in the exhibition against 30 countries which participated in Defexpo2014. In comparison to Defexpo 2014 where 624

companies participated; over 1000 companies, both foreign and Indian, took part this year. The net exhibition area sold during this edition is 40,725 square meters against 27,515 square meters in 2014. On the sidelines of the exhibition, seminars organized provided a platform to showcase developments and opportunities in the defense sector.

### Workshop attended by faculty

Prof. Suraj Rane attended two day Workshop on 'Predictive & Preventive Maintenance' organised by CII Goa on 22-23 June 2016. The expert for the workshop was Shri. Shacheendra Bapat from Insight Training & Productivity Solutions, Pune. The workshop was attended by 30 participants from Industries located in Goa. Ten modules covering Basics & Documents of Maintenance, Analysis of Failures & Root Cause Analysis, Preventive Maintenance, Condition Based - Predictive Maintenance, Vibration Analysis, Ultrasound, Oil and Wear-Particle Analysis, Thermography, Electrical Maintenance and How to Develop a Predictive Maintenance System, were covered during the workshop.



### Goa University Convocation 2016

Prof. Rajesh Prabhu Gaonkar, Prof. Akshay Nigalye and Prof. Suraj Rane attended the 28<sup>th</sup> Annual Convocation of Goa University on 05<sup>th</sup> February 2016. Prof. Rajesh Prabhu Gaonkar participated in the proceedings of convocation in the capacity of Dean, Faculty of Engineering and made announcements of student names of engineering programmes.



## Visit to the Department

Er Harish Kutemate, Hon. Treasurer, IIIE, National Council visited GEC on 21<sup>st</sup> Jan 2016. He paid courtesy visit to the Principal, GEC and had long discussions on IIIE Goa chapter and its contributions to the society. He later visited Mechanical Engineering Department and interacted with Head and other faculties of the department. He was briefed on the ME (Industrial Engineering) program offered by the college to the working professional from industries located in Goa



## Courtesy visit to Dr. Michael Pecht

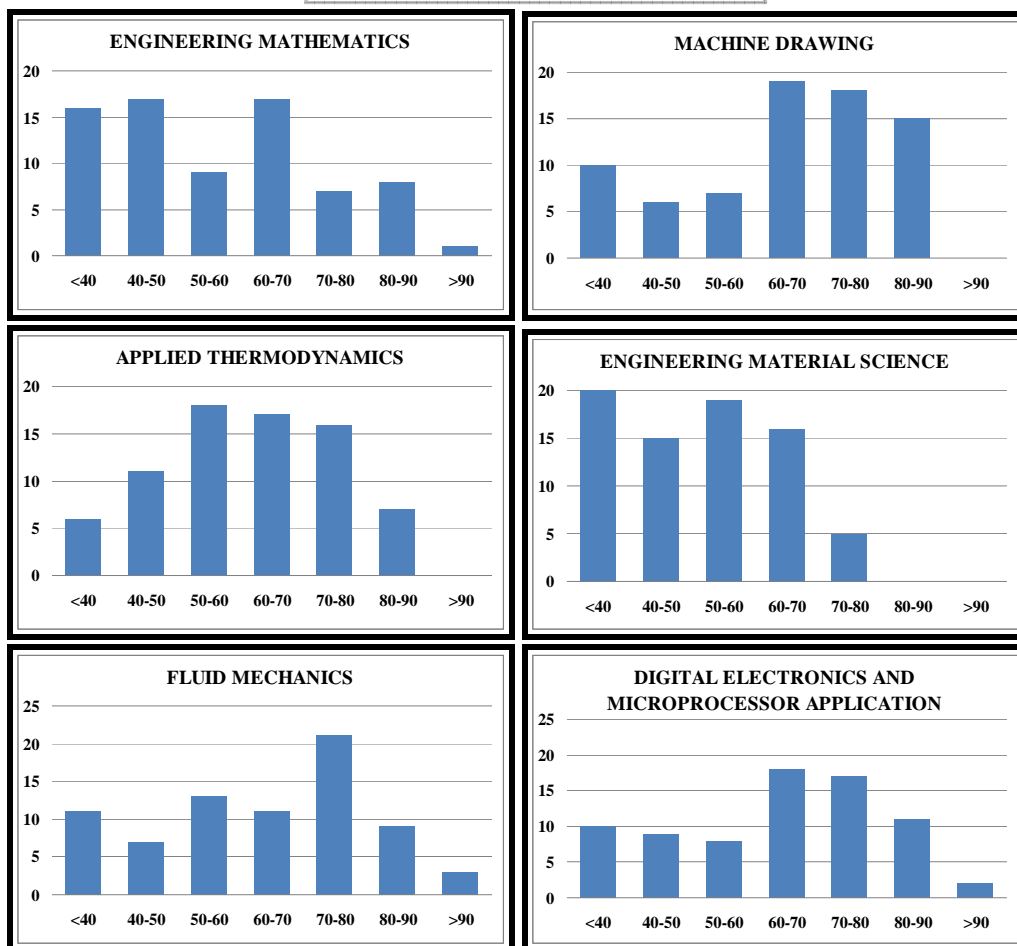
Shri Vivek B. Kamat, Director of Technical Education, Goa, Dr. V. N. Shet, Principal, GEC, Dr. Rajesh Prabhu Gaonkar, Head of Mechanical Engineering, GEC and Dr. Suraj Rane, Professor in Mechanical Engineering, GEC paid courtesy visit to Dr. Michael Pecht, Chair Professor and Director, CALCE, University of Maryland, USA when he visited Goa on 2<sup>nd</sup> January 2016. They deliberated on joint organization of International Conference in Goa, feasibility of student and faculty exchange programme and collaborative research avenues.



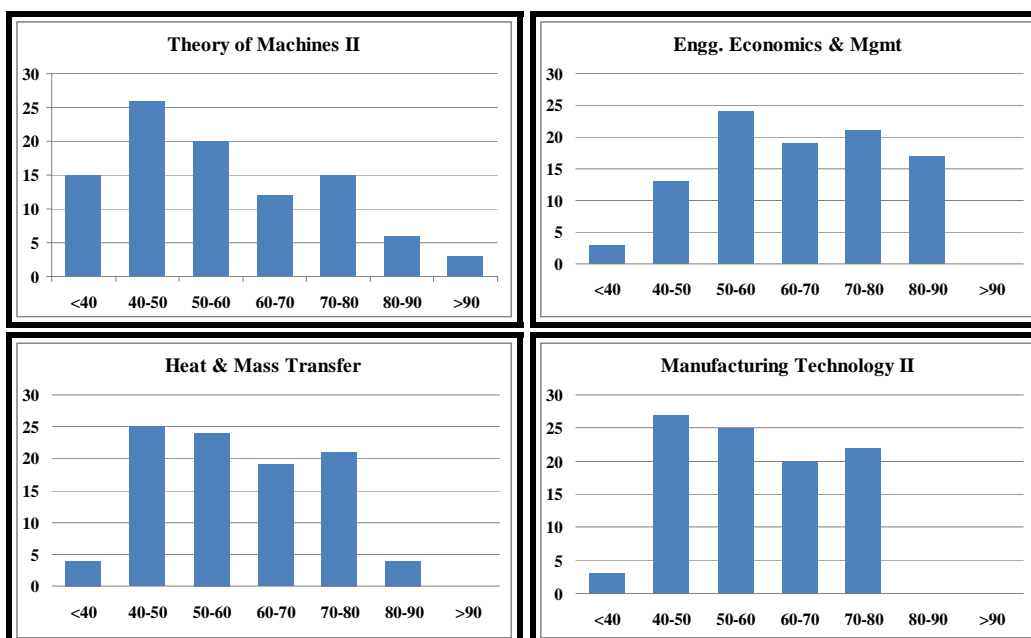


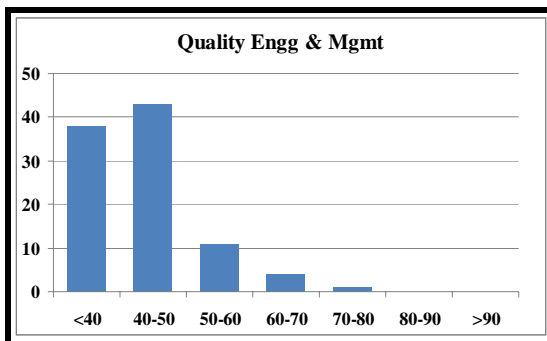
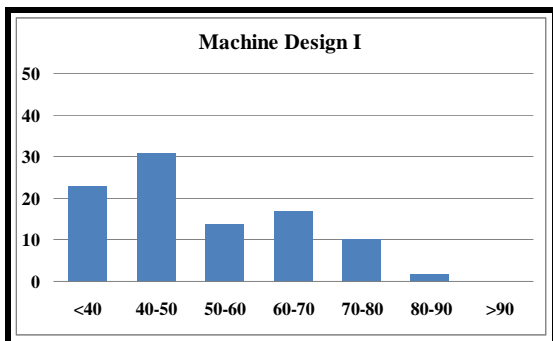
## Result Analysis Nov / Dec 2015 (Number of student's v/s Range of marks)

### SEMESTER III

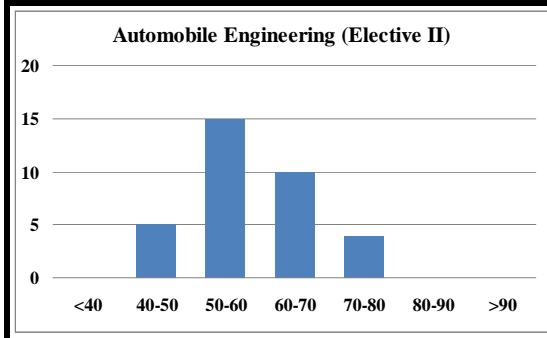
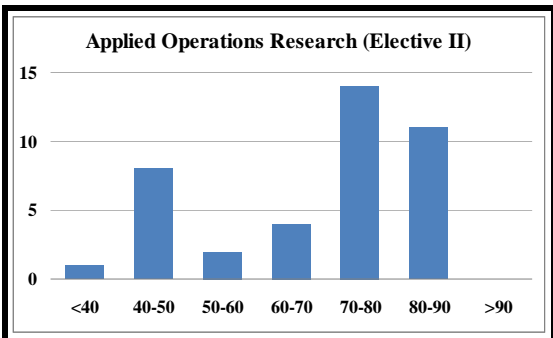
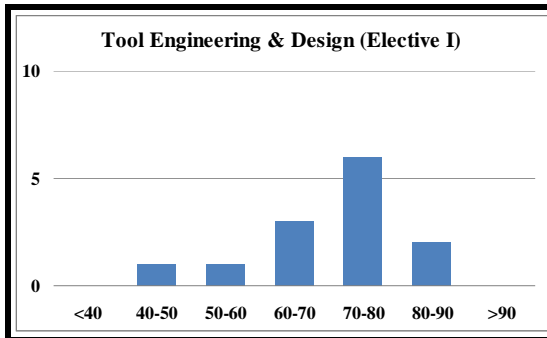
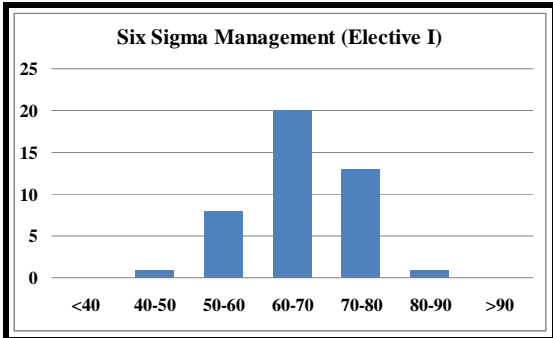
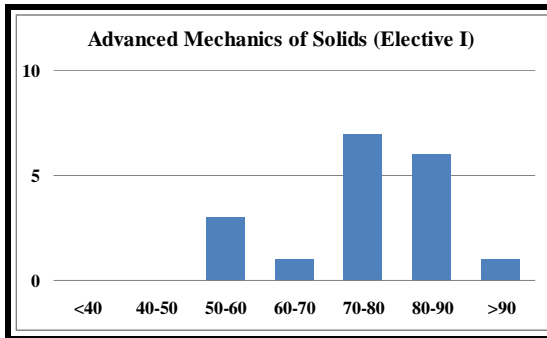
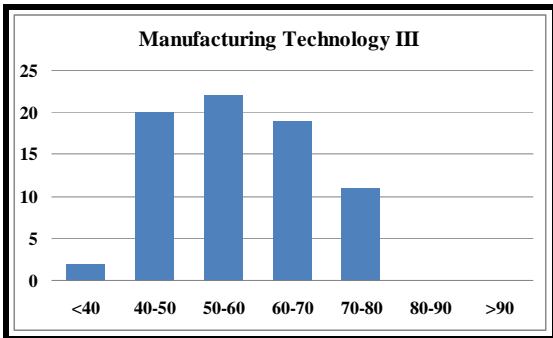
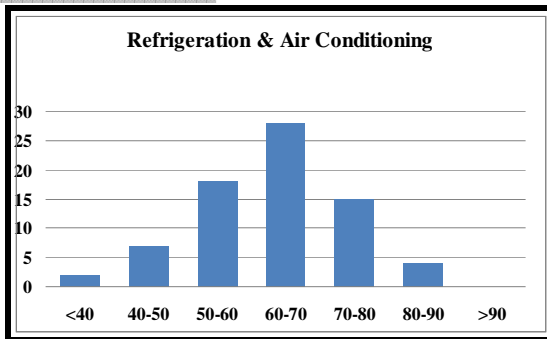
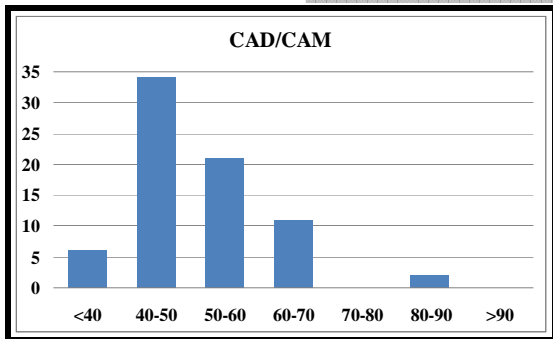


### SEMESTER V





**SEMESTER VII**



## Placement Data 2015-16

Name of student	Placement
Ash Mainak	IBM- Global Business Services, JSW Infrastructure
Chetan Bandodkar	IBM- Global Business Services, INFOSYS
Brendon Mascarenhas	IBM- Global Business Services, INFOSYS
Surjdeo Singh	IBM- Global Business Services
Sarvesh Sail	IBM- Global Business Services
Naquibalam Sheikh	IBM- Global Business Services
Sohan Pai Anlge	IBM- Global Business Services, INFOSYS, Godrej & Boyce, Optessa Inc, Canada
Shubham Bhartu	INFOSYS
Ketan Betkekar	INFOSYS, Bosch (Apprenticeship)
Ashley Fernandes	INFOSYS
Sarvesh Sail	TASL (Tata Advanced System Limited)
Rutwik Jadhav	TASL (Tata Advanced System Limited)
Brendon D'Souza	IBM-Technical Support, Godrej & Boyce, Optessa Inc, Canada
Tejas Barve	Godrej & Boyce
Ishwar Madkaikar	JSW Infrastructure
Trupti Joshi	JSW Infrastructure
Omkar Shirodkar	Kakode Trading LLC
Vishal Shet	Kakode Trading LLC

## Kirtan performance at Datta Mandir, Sanquelim

In the divine town of Sanquelim is the Datta Mandir, one of the oldest temples in Goa. In December, Datta Jayanthi is celebrated in a big way and a special entertainment programme called '*Lalit Karyakram*' is held on the second night of Datta Jayanthi. In this traditional entertainment programme the sequence of acts have to be followed strictly. Shri Milind Sakhardande has been doing the role of *Kirtankar* for over a decade and subject of his kirtan include shira, ladoo, chai, khatkhate etc. This humorous act is almost of 1 hour duration. Performing in such traditional cultural programme even in modern times adds feather to his cap for being involved in such extra curricular activities.





## Final Year Students Project (2015-16)

Group	Name of student	Title of Project	Guide
1	Fernandes Ashley Luis	Design and Fabrication of a System for Automation of Jammer Workstation	Shri Gajesh Usgaonkar
	Kedar Umesh Uttam		
	Bhide Sarvesh Santosh		
	Naik Atishay Bharat		
2	Madkaiker Nihar Sripad	Improvisation of Wood Stove	Flt. Lt. B. R. Kulkarni
	Bandodkar Chetan Suhas		
	Mangeshkar Vimal Ullas		
	Manerkar Vedant Gajanan		
3	Sopte Sainand Dayanand	Design and Development of Variable Buoyancy System for Soft Grounding of Autonomous Vertical Profiler	Dr. Raghavendra Naik
	Sawant Girish Gopal		
	Sarvesh Deepak Sail		
	Pai Angle Sohan Sandip		
4	Madkaikar Ishwar Madan	Design and Fabrication of Coconut Peeling Machine	Prof. Akshay Nigalye
	Lingudkar Suraj Subhash		
	Karekar Rajjat Prakash		
	Bhangle Govind Chandrash		
5	Vengurlekar Mayur Kiran	Design and Fabrication of Electromagnetically Levitated Conveyor	Shri Mahesh Caisucar
	Rane Rohan Uday		
	Shubham Durgavanshi		
	Sheikh Naquibalam Nooralam		
6	Rivonkar Aditya Ravindra	Ocean water Purification using Solar Energy	Prof. Suraj Rane
	Sardessai Mangesh Dilip		
	Manjrekar Rohan Manoj		
	Kumar Surjdeo Singh		
7	Shirodker Omkar Nanda	Improvisation in Betel Nut Dehusking Machine	Prof. Rajesh S. Prabhu Gaonkar
	Gaonkar Raju Rohidas		
	Gawde Vishvesh Vasudev		
	Naik Sahil Sadanand		
8	Sakhare Shravani Amar	Performance Measures Evaluation of Perishable Food Processing Supply Chain	Shri Milind Sakhardande
	Mascarenhas Brendon P		
	Dsouza Brendon Revben		
	Kamat Nikhil Sanjay		
9	Betkekar Ketan Bhanudas	Digital Fuel Gauge	Dr. Raghavendra Naik
	Phadte Sairaj Dattaram		
	Jadhav Rutwik Mahendra		
	Joshi Trupti		

## Final Year Students Project (2015-16)

Group	Name of student	Title of Project	Guide
10	Naik Anand Subhash	Design and Analysis of Second Steam Superheater in Boiler at ZACL	Shri Gajesh Usgaonkar
	Kenneth Virgil Fernandes		
	Chodankar Suraj Subhash		
11	Pereira Raul Anthony	Design and Fabrication of Hull Rice Winnowing Machine	Dr. Shridhar Mhalsekar
	Rebello John Agnelo		
12	Naik Amey Yadav	Design and Fabrication of Automatic Tyre Bead Painting Machine	Shri Harichandra Chandekar
	Naik Harshad Laxmikant		
	Gaonkar Ashvin Anand		
	Gaonkar Mayur Chandrakant		
13	Rohit Malik	Productivity Improvement in Food Processing Industry using Industrial Engineering Techniques	Dr. Rajesh S. Prabhu Gaonkar
	Rahul Parmar		
14	Alemao Charles Santano	Fabrication of Paddy Transplantation Machine	Dr. Akshay Nigalye
	Furtado Leslie		
	Naik Manoram Manohar		
	Dolo Dodum		
15	Chari Ramanand Ankush	Configurations and Applications of Four Wheel Steering Mechanism	Dr. Vinay Shirodkar
	Bhartu Shubham Sadashiv		
	Ash Mainak		
	Dusu Genda		
16	Barve Tejas	Design and Fabrication of Wind Tunnel and Model's Testing	Dr. Shridhar Mhalsekar
	Desai Krunal Anandu		
	Sawant Pawan Radhakrishna		
	Naik Pranay Shamsundar		
17	Shet Vishal Vishwas	Design and Fabrication of Corn Seeds Remover Machine	Prof. D. V. Shirodkar
	Satkalkar Manohar Vishnu		
	Naik Raj Prakash		
	Chodankar Shubham Hanumant		
18	Mahalunkar Ashvajit Shrikant	Improvisation in Mango Pulp Extraction Machine	Shri B. S. Manohar Shankar
	Colaco Prisco Domingos		
	Hundre Vivek Siddappa		
	Mulgaonkar Samir Ramnath		
19	Valent Fernandes	Design of Lever Anchoring Machine	Shri Mahesh Caisucar
	Prasad Kajari		



## Farewell function for B.E. Mechanical students Batch of 2016

The faculty of the department bid adieu to the final year students of 2016 batch, at a farewell function held in the college campus on 6<sup>th</sup> May 2016. Shri B.S. Manohar Shankar, Associate Professor in Mechanical Engineering Department compered the function. The Head of Information Technology Department Dr. Anant Naik was the chief guest for the function presented mementoes to the outgoing students of final year. and Head of Mechanical Engineering Department, Dr. Rajesh Prabhu Gaonkar gave a motivational speech to the students citing anecdotes and inspirational stories. Other senior faculty in the department also encouraged the students and wished good luck in their future endeavours. The final year students shared their fond memories.









## Farewell to Staff

Mechanical Engineering Department gave farewell to Shri Gurudas Salgaonkar, Hamal on 5<sup>th</sup> June 2016, he had requested transfer and is shifted to Government Polytechnic Bicholim. Prof. Rajesh S. Prabhu Gaonkar presented him a memento as a token of gratitude for his services.





## Farewell to Prof. D.V. Shirodkar and Smt. Kamalava Chinavar

Prof. Digambar V. Shirodkar joined GEC as Associate Lecturer in Mechanical Engineering Department on 05<sup>th</sup> October 1983. He served the college for more than 32 years. He was appointed as Workshop Superintendent on 14<sup>th</sup> February 2001 and continued as Workshop Supdt. until his retirement on 30<sup>th</sup> June 2016. Felicitation of Prof D.V.Shirodkar and Smt. Kamalava Chinavar was organized in the Seminar Hall on 28<sup>th</sup> June 2016. Dr. V.N.Shet, Principal, Goa College of Engineering, Dr. Anant Naik, Head of Information Technology Department were present during the occasion along with the department faculty and entire workshop staff. Shri Santosh Matonkar compeered the farewell function and many faculties and staff shared their fond memories with Prof. D.V Shirodkar.



While Kamalava Chinavar retired on 30<sup>th</sup> June 2016. The last four years of her service she worked in the Mechanical Engineering Department. As a token of gratitude, she was given a memento in the hands of Dr. V.N.Shet, Principal, Goa College of Engineering. Her service in the department was appreciated by senior faculty present for the function.

## Chief Guest at International Conference

Prof. Rajesh Prabhu Gaonkar was invited as the Chief Guest for the 7<sup>th</sup> International Conference on “IT & Business Intelligence (ITBI-15)” jointly organized by Institute of Management Technology, Nagpur, Maharashtra and Shree Rayeshwar Institute of Engineering & Information Technology, Shiroda, Goa from 21<sup>st</sup> to 23<sup>rd</sup> January 2016.



## Felicitation of faculty by external agencies

- Prof. Rajesh S. Prabhu Gaonkar was felicitated at the hands of Dr. Satish Shetye, Vice Chancellor, Goa University for bagging the meritorious teacher award on 18<sup>th</sup> January 2016 during the function organized by Saraswat Samaj-Margao Kaksh.



- Shri Milind Sakhardande was invited as Chief Guest for Plantation on the foundation day of Matruchaya Bal Kalyan Ashram, Talaulim on 19<sup>th</sup> June 2016.



## Student Sports Corner

For the inter-collegiate tournaments conducted by Sports Section, Goa University, following students from Mechanical Engineering Department represented the college. The sports conducted during the even semester of the academic year include Cricket, Volley ball, Baseball and Basket ball.

Sr.No.	Name	Event	Class
1	Vignesh Usapkar	Volley Ball, Cricket	F.E.
2	Govind C. Bhangle	Cricket	B.E.
3	Shankar L. Velip	Cricket	S.E.
4	Sanket S.Korgaonkar	Cricket	S.E.
5	Sohan S. Naik	Cricket	S.E.
6	Rahul Parmar	Baseball	B.E.
7	Brendon Mascarenhas	Basketball	B.E.
8	Kenneth Fernandes	Basketball	B.E.
9	Susim Singh	Basketball	T.E.

The college cricket team members. From (L to R): Shankar Velip (S.E.), Sohan Naik (S.E.), Sanket Korgaonkar (S.E.) and Vignesh Usapkar (F.E.)



Mast. Kartik Naik, T.E. Mechanical student had participated and successfully completed 10 kms Goa Marathon, Panjim on 13<sup>th</sup> March 2016. He completed the run in 51 min 15 secs.



## Faculty Sports Activities

Mechanical Engineering Department won the EPL Cricket tournament Season VI (6<sup>th</sup> Jan to 29<sup>th</sup> January 2016) defeating Security XI team in finals. Batting first the MECH team scored 143 runs in 10 overs with the help of Shri Nitin Mathkar scoring 93 runs of 32 balls. In reply Security XI team could score 107 in 10 overs. Shri Nitin Mathkar bagged man of the match prize and best batsman of the tournament.



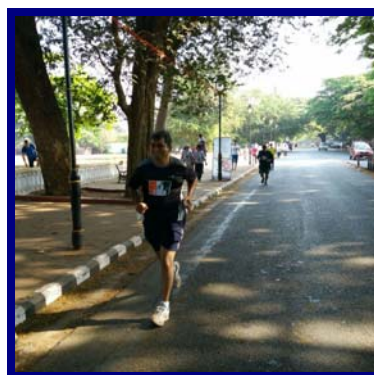
## Goa Marathon 2016

The Mechanical Engineering Department faculty participated in the Goa Marathon organized by El Shaddai charitable trust in partnership with the Goa Athletic association at the Campal Sports Ground, Panjim on 13<sup>th</sup> march 2016.





Following faculty participated in 5 km run: Dr. Rajesh Prabhu Gaonkar, Dr. Akshay Nigalye, Flt. Lt. B.R. Kulkarni, Shri Mahesh Dhawlikar, Shri Vivek Belokar, Shri Gajesh Usgaonkar, Dr. Shridhar Mhalsekar, and Dr. Raghvendra Naik



For the 10 km distance, Shri Mahesh Caisucar completed the run in 1 hr 07 mins 22 secs, Shri Harichandra Chandekar completed the 10 kms run in 1 hr 14 mins 47 secs while Shri Saurabh Raiker completed the run in 1 hr 32 mins 33 secs.



## IIIE Committee (2016 to 2019)

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Shri. Vivek Balkrishna Kamat (DTE, GOA)

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Shri. Vishwesh Alias Kashinath Eknath Singbal

#### Co-Opted Members

Dr. Akshay Vithal Nigalye

Shri. Mahadev Vasant Verlekar



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