



Vidya Pratishthan's
Kamalnayan Bajaj Institute of Engineering and Technology
Baramati Dist. Pune



FOREWORD

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology publishes quarterly activities organised in the campus and also the activities in which our students and faculty members participate in outside prestigious campuses. Emphasis is given on our Faculty's engagement in research activities, training programs and students' achievements in various fields. Therefore, it gives us pleasure to publish before you our e-Newsletter of January 2017. During this period, our faculty members and students have involved with their keen interest in higher learning, research and training programs.

During this period, most of our faculty members participated in various research competitions and also organised industrial visits for the students. Most of our students got scholarship from Cummins India Ltd. Some of our faculty members presented their research papers in the Conferences organised by IITs during this period.

Our faculty members as well as students participated in Project Competition, i.e. *Avishkar 2016* which was organised by Savitribai Phule Pune University in Pune. Our faculty members also participated in poster presentation competitions which were organised by other colleges in Pune which proved much beneficial to share their knowledge and ideas. Some faculty members organized industrial visits for the students so that they can get practical knowledge of their subjects. Postgraduate students of our Institute also participated in project competitions which were organised by other colleges in Pune.

Foreword By

Dr. Nirmal Sahuji

Head (Gen. Sci. and Engg.)

Chairperson of e-Newsletter

e-Newsletter

JANUARY
2017

**INSIDE THIS
ISSUE:**

FOREWORD 1

**PRESENTED RESEARCH
PAPERS IN SEMINARS AND
CONFERENCES** 2

**WORKSHOPS AND DEPART-
MENTAL EVENTS ORGAN-
ISED** 2-3

**WORKSHOPS AND CONFER-
ENCES ATTENDED** 3-6

**INDUSTRIAL AND INTERN-
SHIP VISITS ORGANISED** 6

STUDENTS' ACHIEVEMENTS 7-8

**EDITOR
AND
DESIGNER**

ANIL PATIL



e-Newsletter

JANUARY
2017

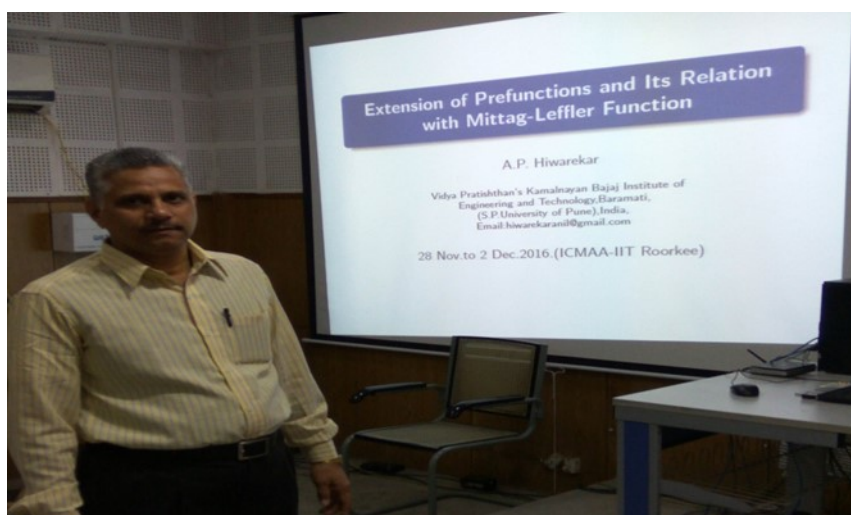
“Keep me away from the
wisdom which does not cry,
the philosophy which does not
laugh, and the greatness which
does not bow before children”

~Kahlil Gibran

• **Dr. Anil Hiwarekar**

He attended an International Conference on *Mathematical Analysis and its Applications* at Department of Mathematics, Indian Institute of Technology, Roorkee during 28 November to 2 December 2016. The main objective of ICMAA 2016 was to bring Mathematicians from various parts of the world working on recent topics of Mathematical Analysis to interact with one another and to exchange their ideas. The Conference was inaugurated by Prof. Walter Van Assche (Katholieke Universiteit Leuven, Belgium), Prof. R. Balasubramanian (Executive Director, Society for Electronic Transactions and Security (SETS) and Institute of Mathematical Sciences (IMSc), Chennai.

Dr. Anil Hiwarekar presented his contributed talk on “Extension of pre-functions and its relation with Mittag-Leffler function” and was appreciated by many participants. During the conference he interacted with researchers and shared ideas. The discussion during this conference is definitely going to be beneficial to him for further development in research work.



Dr. Anil Hiwarekar during his presentation

WORKSHOPS AND DEPARTMENTAL EVENTS ORGANISED

• **Department of Electronics and Telecommunication Engineering** organized a Workshop on *PCB Design*. 31 students from third year participated in this workshop. It was conducted by Prof. A.S. Bankar and Prof. S. U. Kolhar on 15 and 16 December 2016.



Faculty and students in the Workshop



e-Newsletter

JANUARY

2017

Nurture your mind with great thoughts, for you will never go any higher than you think.

- **Department of Electrical Engineering** organized a basic technical orientation lecture for School children in NSS Camp at Medad. The lecture included generation of electricity, importance of renewable energy sources, electrical Safety and demonstration.



Faculty members and students in the lecture

CONFERENCES AND WORKSHOPS ATTENDED

- **Prof. Digambar Padulkar**



He attended a workshop on *Data Science* which was organized by ViMEET, Panvel during 27 to 31 December 2016. This workshop aimed to provide an introduction to hot field of Data Science. In this workshop, topics like future of this field, techniques and algorithms required to process data were discussed. Renowned data scientists from USA were the Experts for this workshop.

- **Dr. Dinesh Hanchate**



He chaired a session during IEEE Bombay Section Symposium on *Frontier of Technology: Fuelling Prosperity of Planet and People* at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati on 21 and 22 December 2016.

- **Prof. Gyankamal Chhajed**



She chaired a session during IEEE Bombay Section Symposium on *Frontier of Technology: Fuelling Prosperity of Planet and People* at Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati on 21 and 22 December 2016.

- **Prof. Dinesh Zende**



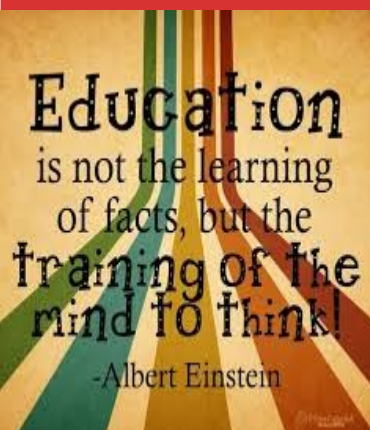
He participated in a Five-Day Special Training Workshop on *Data Science* at Vishwaniketan, Khalapur. It was conducted during 27 December to 31 December 2016.



e-Newsletter

JANUARY

2017



- **Dr. Rajveer Shastri, Prof. Shrikrishna Kolhar**
- **Prof. Ajinkya Bankar, Prof. Sachin Trankatwar**

They attended a Workshop on *Introduction to Robotics* which was organized through e-Yantra Lab Setup Initiative (e-LSI) by IIT Bombay.



Faculty members and Prof. Kavi Arya, IIT, Bombay

- **Prof. S S Jagdale**



He attended a Two-Day Workshop on *Optical fiber communication and wireless communication* at Indian Institute of Technology, Delhi. This workshop was conducted during 19 to 20 December 2016.

- **Prof. P N Arotale**



He attended a Five-Day Workshop on *Brain Science and Technology* at Indian Institute of Technology, Delhi. This workshop was conducted during 14 to 18 December 2016.

- **Prof. V.U. Deshmukh, Dr. R K Shastri and Prof. S S Jagdale**
- **Prof. B.H. Patil, Prof. A. S. Bankar and Prof. D.T. Kushnure**



They presented their posters at *Regional Research Conference* held by RSCOE, Pune on 6 December 2016. The names of their posters were as follows.

1. Prof. V.U. Deshmukh--Investigation of Non-linear Effects (Optical Solitons) in Fiber Optic Communication and its Applications
2. Dr. R K Shastri and Prof. S S Jagdale--Ambient Noise Characterization in Shallow Depths for Tropical Water of the Indian Ocean Region
3. Prof. B.H. Patil and Prof. A.S. Bankar--A pipelined VLSI Architecture for 2-D DWT
4. Prof. D.T. Kushnure--PAPR reduction in OFDM system using Modified SLM



e-Newsletter

**JANUARY
2017**

**"Learning gives creativity,
Creativity leads to thinking,
Thinking provides knowledge,
Knowledge makes you great."
-Abdul Kalam**

• **Prof. C B Nayak**



He participated in the International Conference on *Advanced Material Technologies (ICAMT)*—2016. It was organised by Dadi Institute of Engineering and Technology, Visakhapatnam, Andhra Pradesh during 27 to 28 December 2016.

• **Prof. K. M. Jadhav**

He participated in One-Week AICTE sponsored Short-Term Course at Mechanical Engineering Department in IIT Madras on *Advanced I.C. Engine Technology (AICET-16)* during 21 to 26 November 2016. During this course he learnt recent developments in I.C. Engines and visited I.C. Engine laboratory at IIT Madras. He also visited Mahindra and Mahindra, Chennai.



Prof. Keshav Jadhav and other participants during the Short-Term Course

• **Prof. Vishal B Bhagwat**

He participated in the Regional Research Conference which was organized by Rajashri Shahu College of Engineering at Tathawade. It was organized specially for university and college teachers. The aim of this conference was to felicitate the interaction amongst teachers and also to provide an opportunity to evaluate their research work. He also participated in Pre-Conference workshop of 'Techno-Societal 2016' on *Transforming Technologies into Commercial Products* which was organized by RUSA in collaboration with SVERI's College of Engineering, Pandharpur on 19 December 2016.



• **Department of Mechanical Engineering** presented projects in Avishkar. Savitribai Phule Pune University organizes Inter-University Research Project Competition, i.e. *Avishkar* each year for UG, PG and research scholars. Three entries from our institute each in undergraduate, postgraduate and teacher categories were scrutinized at college level. Three entries got selected for the Zonal Level Poster Competition (first-round of Avishkar-2016) at VIIT, Kondhwa, Pune.



e-Newsletter

**JANUARY
2017**

If you can't do
great things, do
small things in a
great way. Napoleon
Hill

This competition was held on 2 December 2016. From students' category Mr. Gaurav Ingale (BE Mech. Engg.) and Mr. Vishal Lokare (ME Design) and one was presented by Prof. Vishal Bhagwat in teacher category. These projects were selected for Zonal Workshop of 'Avishkar-2016' on 24 December 2016.



Prof. Vishal Bhagwat during his presentation

INDUSTRIAL AND INTERNSHIP VISITS ORGANIZED

Department of Electronics and Telecommunication Engineering organised an industrial visit for third year students on 6 October 2016. This was a visit to Aftek India Ltd. which is located at Chincholi in Solapur. 55 students participated in this visit. Aftek Ltd. is a full-spectrum technology services Company in India. Handheld PDAs (Personal Data Assistants) and Face readers are the major products of Aftek Factory. These PDAs are used in various applications such as Ticketing, Pigmy Machines, Toll collection etc. Face readers are used for attendance and security. Prof. S U Kolhar, Prof. Anil Bhagat, Prof. Ashwini Bankar and Prof. Varsha Survase coordinated this visit.



Expert from Aftek explains Handled PDA to the students and faculty members



• Shubhada Marwadkar and Priyanka Nale



Cummins India Foundation (CIF) initiated the 'Cummins Scholarship Program' for meritorious students from financially and socially disadvantaged background to pursue professional degree and diploma courses. Our Third Year students Katkade Priyanka, Marwadkar Shubhada

Pandurang and Nale Priyanka Dadaram got this Scholarship for 2017. In this scholarship they got a Laptop and Tuition Fees of the academic year.

• Ranubai Masal, Shital Havaladar and Priyanka Katkade



They are third year students from Electrical Engineering Department. They got selected for the Cummins Scholarship Program 2016-2017. It was held on 21 December 2016 at Cummins Megasite Training Center, MIDC Phaltan.

• Musale Bhoopalsinh, Pol Pranav , Vishal Nanaware and Abhishek Ramane



They are B E students from Information Technology Department. They participated in Project

Competition, i.e. Avishkar which was organised by Savitribai Phule Pune University and got selected in AVISHKAR 2016. Title of their project was *MediAssit: An Intelligent Medical Assistance* and they were guided by Prof. Sahil Shah.

• Gaurav Ingale and Vishal Lokare



They participated in Research Project Competition. Savitribai Phule Pune University organizes Inter-University Research Project Competition, i.e. *Avishkar* each year for UG, PG and research students. The competition was held on 2 December 2016. Three entries from Mechanical Engineering Department each in undergraduate, postgraduate and teacher categories were scrutinized at college level. Three entries got selected for the Zonal Level Poster Competition (first-round of Avishkar-2016) at VIIT, Kondhwa, Pune.



e-Newsletter

**JANUARY
2017**

**Vidya Pratishthan's
Kamalnayan Bajaj
Institute of
Engineering and
Technology
Vidyanagari
Baramati**

• **Apeksha Koul, Khilari Snehal, Pandit Rushikesh and Pawar Vaibhav**

They are B E students from Computer Engineering Department. They participated in Project Competition organised during *Avishkar 2016* by Savitribai Phule Pune University at undergraduate level. The title of their project was *Auto Learning Engine* which identifies the capturable attributes from web pages. Prof. Digambar Padulkar guided these students.



Students during their Project Competition

• **Yuvraj Patil**



He is an M E student from Computer Engineering Department. He participated in Project Competition organised during *Avishkar 2016* by Savitribai Phule Pune University at post-graduate level. The title of his project was *Heart Rate Measurement System* using Facial Video Processing. Prof.

Gyankamal Chhajed guided him.

Phone: 91-2112-239500, 503, 504

Fax: 91-2112-239514

E-mail:

principal.

vpkbiet@vidyapratishthan.com

Website:

www.vpkbiet.org