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# SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE

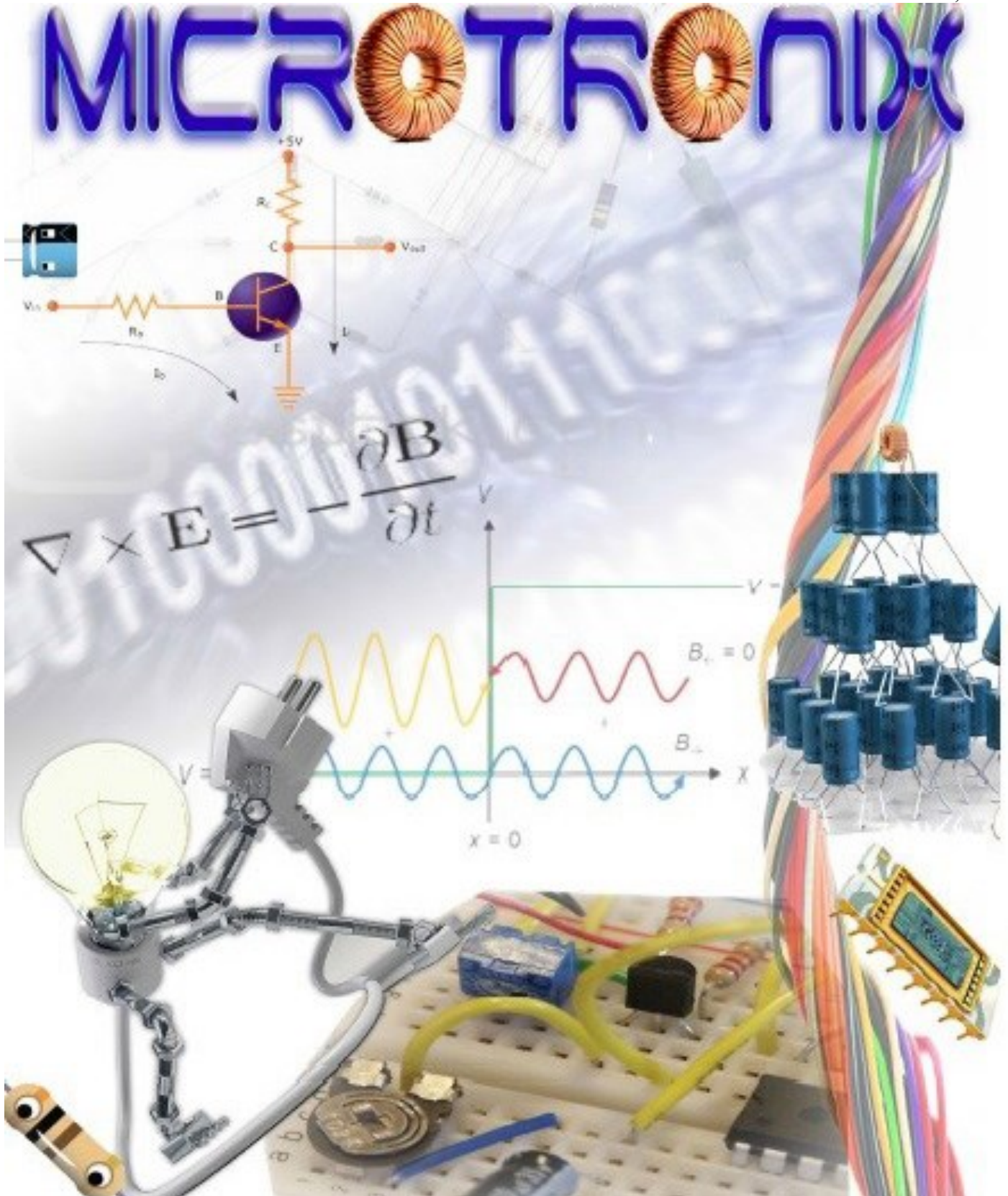
*Affiliated to University of Mumbai, Approved by A.I.C.T.E & D.T.E., M.S.*

*Grade 'A' awarded by D.T.E., M.S.*

NEWSLETTER FROM DEPARTMENT OF ELECTRONICS ENGINEERING

VOLUME 6, NO.1

APRIL, 2018



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# FROM THE EDITORIAL BOARD



Editorial Team : Left to Right

Sitting : Prof. Preeti Warriar, Dr. Uma Rao, Prof. Manisha Mane

Standing : Ms. Urvi Bhimani, Mr. Chinmay Yadav, Mr. Gaurav Rai, Ms. Dilpreet Kaur, Mr. Shrenik Dhamane, Ms. Arnika Phatak

So here we are again, with the 1st issue of volume no.6. of our departmental newsletter “Microtronix”, a platform for our students and staff to showcase their technical and literary talents.

We would begin with congratulating our class toppers and also all other students for achieving extremely good results. In this edition, we have also included the names of individual subject toppers. Kudos to them as well.

This semester saw a great number of events like FDPs, Technical Talks, Paper Presentations, Project Hunt and Chart Competitions organized by the professional bodies IEEE, ISTE, IETE and the ACM chapter. The staff and students participated with lot of enthusiasm.

Our students have also performed remarkably well in NUCLEUS, OLYMPUS, and VERVE, the technical, sports and cultural festival of our college.

We are proud to state that not only the students, but the staff has also performed extremely well in the Spoken Tutorials and NPTEL tests.

This edition marks the beginning of an additional section, View of an Industry Expert. We interviewed Mr. Umesh Kaul, GIC Hybris Practice Leader, with a Multinational IT Company . His answers to our queries regarding the current scope and job scenario for Electronics Engineering students, makes for an interesting and informative read.

It would not have been possible to bring out this edition of Microtronix without the immense support of our Head of the department, Dr. Uma Rao. We would like to thank her and all those students and teachers who helped us from time to time.

By highlighting all the wonderful accomplishments of the students and staff of our department, in our newsletter Microtronix, we hope to encourage all our students to explore their technical and creative talents. We wish all of them great success in their future endeavors.

— ***From the Editorial Board***



# STAFF MEMBERS OF THE DEPARTMENT OF ELECTRONICS ENGINEERING

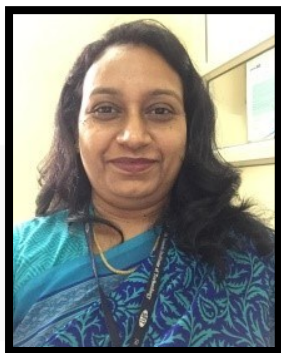
## Teaching Staff

Sr.No.	Name of the Faculty	Sr. No.	Name of the Faculty
1	Dr. V. C. Kotak , Professor, Vice Principal	15	Ms. Manisha M., Assistant Professor
2	Dr. Uma R. Rao, Professor, I/C Head	16	Ms. Sarika N. B., Assistant Professor
3	Ms. Shikha Srivastava, Associate Professor	17	Ms. Anita N., Assistant Professor
4	Ms. Subha S., Associate Professor	18	Ms. Jayashri R. B., Assistant Professor
5	Mr. P. G. Khedkar, Associate Professor	19	Ms. Preeti W., Assistant Professor
6	Mr. B. K. Mathew, Associate Professor	20	Ms. Nibha Desai, Assistant Professor
7	Ms. Vidya Gogate, Associate Professor	21	Ms. Aprajita B., Assistant Professor
8	Mr. N. S. Narkhede, Associate Professor	22	Mr. Amit Tiwari, Assistant Professor
9	Ms. Minal Puranik, Assistant Professor	23	Ms. Madhura P., Assistant Professor (Adhoc)
10	Ms. Asha Durafe, Assistant Professor	24	Mr.Kiran Thale, Assistant Professor (Adhoc)
11	Ms. Rameshwari M., Assistant Professor	25	Ms.Pooja D., Assistant Professor (Adhoc)
12	Ms Salabha Jacob, Assistant Professor	26	Ms.Priyanka S., Assistant Professor (Adhoc)
13	Ms. Shubhangi M., Assistant Professor	27	Mr. Udayan Kamble, Assistant Professor (Adhoc)
14	Ms. Manjusha P. K., Assistant Professor	28	Mr. Deepak Mishra, Assistant Professor (Adhoc)
		29	Ms. Amruta Nehate, Assistant Professor (Adhoc)

## Technical staff

1.	Mr. Mahendra Dhuri,	3.	Ms. Ashwini Sawant
2.	Ms. Janhavi Deshpande	4.	Ms. Sonam Solkar

# ALUMNI ARTICLE



**Dr. Prachi Raut**

Batch 2001

Associate Professor,  
St. Francis Institute of  
Technology  
Mumbai.

Areas of interest: Nano scale networks, Simulation and modelling of communication networks.

“Your time is limited, so don’t waste it living someone else’s life” said the legendary Apple CEO Steve Jobs while addressing a graduating class of 2005 at Stanford University. Perfectly applicable to even today’s millennials. We are living in an exciting era where technology is rapidly disrupting old paradigms, empowering individuals along the way. Today each one of us has a capability to communicate with anyone in the world, to create and share content in number of ways and to acquire information about any topic under the sun. So here is your stage my friends...dream big and make it work.

Around two decades ago, I was an engineering under graduate student at SAKEC. I was fascinated by the world of electronics unravelled by our expert teachers. I enjoyed tinkering with devices and circuits during practicals and honed my programming skills during computer laboratory sessions. Dedicated faculty members at SAKEC not only imparted knowledge but also nurtured me as a person with their warmth and kindness. However, looking back at my college years, I realise that I didn’t explore one important aspect of college life.

Today I am working as an Associate Professor in yet another engineering college (SFIT, Borivli) and constantly interacting with my students in and out of the classroom. I see enthusiasm (a lot of it), increased awareness, eagerness to experiment

and the confidence that goes with it. Some of you might be taking certification courses to supplement your curriculum or be a part of student chapters like IEEE, IETE, CSI, NSS or pursuing a hobby or helping run family-owned business or some of you might be entrepreneurs or be associated with NGOs. Today’s students are versatile and clearly learn much more outside the classroom in contrast to my bookish self back in college years. If a student’s job is to study, it is not necessary that every student studies in a classroom and in a same way as other students. There are many life skills to be acquired outside the classroom.

Teaching happened to me by chance. Not by choice. But I am glad I found something of which I will never get wary of. Along with teaching, I got an opportunity to arrange several workshops and seminars, organize industrial visits and cultural events, give talks on topics beyond syllabi and carry out many more administrative duties. The spectrum of my responsibilities at work has clearly expanded and I am enjoying it. I am working on developing innovative teaching methodologies and content delivery modes that will engage learners in an effective way. I am an avid reader and love reading different genres from philosophy to fantasy!

Before you realize what you want to do for rest of your life, it is important to try out different things coming your way. It is also okay to go out of your way to try something which tempts you !! Making an attempt and failing is so much better than not trying and regretting later. Each stage of your life comes with its own rewards and responsibilities. Indulge, learn and move on. The stage it set for you....

# VIEWS OF AN INDUSTRY EXPERT



**Mr. Umesh Kaul**

GIC Hybris Practice  
Leader

Multinational IT  
Company

Mr. Umesh Kaul has 28 years of total and 22 years of SAP work experience at various senior level positions in IT services, manufacturing companies, Business Development and solutioning, implementation and maintenance of SAP ERP application systems. He has wide international exposure having worked in Germany, France, USA, Singapore and India. He has deep expertise in serving global clients and driving business transformations. He is well versed with the cultural and technical challenges of large and complex transformation programs.

## 1. Can you share your professional background, in particular your association with Academia.

I am an IT consultant with expertise in SAP ERP and digital transformation with SAP Hybris.

I have been associated with academia and have been visiting various Engineering Colleges like MIT in Pune and have been associated with SSGM college of Engineering for various programs like Entrepreneurship Development and Innovation, working with students on various Start up ideas and recently with Smart hackathon being run by Government of India. I have been also invited to be a speaker like Steinbeis University in Germany for their Competence Day.

## 2. How can we align and integrate Academia and Industry, so that the courses are more relevant to current industry needs?

You can invite the speakers from industry on various technology topics, get them to provide views on the technology trends in various fields like Machine learning,

Automation, Data Analytics, Artificial intelligence, Cloud Computing, Security etc.

You may want to setup Center of excellence/ Labs in various areas for e.g. VLSI design, Embedded Applications, IOT etc.

Professors from the institute can do consulting projects with the Industry, do research in new areas, collaborate with the institutions of repute to be on top of the trends and be able to institutionalize the same and provide guidance to students to achieve excellence.

Curricula should include mechanisms for both the traditional teaching learning process and also include the component of blended learning and MOOCs.

Curricula should include the mechanisms of convergent and divergent thinking, creative effective skills and self-evaluation.

## 3. How can students get more industry exposure during the academic career?

Students need to do industry internships, participate in the industry and technology events, contribute to statutory bodies like IEEE. They need to do co-innovation projects with industry, if CoEs with the industry are setup. Students can take the projects which are relevant for industry through these CoE and gain relevant skills and create a larger impact and better readiness for the industry

## 4. What traits and capabilities you look for in students during campus recruitment?

Interpersonal and Communication skills, Ownership and Accountability, To do Attitude, Quick learning, Ambition, Technical skills, Problem solving and analytical skills, Team work, Innovation and more importantly Personal Integrity are some of the skills.

## 5. What are your views on impact of Automation and AI (Artificial Intelligence) and how is it going to affect jobs, in particular entry level?

Advances in robotics, artificial intelligence, and machine learning are ushering in a new age of automation, as machines match or outperform human perfor-

mance in a range of work activities, including ones requiring cognitive capabilities. Automation of activities can enable businesses to improve performance, by reducing errors and improving quality and speed, and in some cases, achieving outcomes that go beyond human capabilities.

Individuals in the workplace will need to engage more with machines as a part of their everyday activities and acquire new skills that will be in demand in the new automation age.

Automation and AI opens possibilities for the entry level since various applications will have to be developed with automation and AI. Also these automation and AI systems will need monitoring and control and corrections which will have to be developed in these applications including self-healing.

There will assuredly be an increasing number of jobs related to programming, robotics, engineering, etc. After all, these skills will be needed to improve and maintain the AI and automation being used around us.

#### **6. How should academia and students prepare themselves for this?**

University / college curriculum should include these courses and study should be about the design and development of the automation and AI systems and applications. There could be collaboration with the international academia to guide on these new areas. Additionally, as what we discussed in Question #3, focus should be on Experimental learning which will allow us to integrate classroom experience with real world experience.

#### **7. What is the current industry scenario for core Electronics Engineering?**

Current industry scenario offers a wide scope. With automation and Internet of things, various machine to machine learning and new ways of business models have come up. Let us say electronics for monitoring the Uber, interfaces, electronics for remote monitoring of connected homes, connected cars, Industry automation with robotics, application of drones, embedded electronics, etc.

#### **8. Many students prefer to study and work abroad these days. What are the job opportunities for Electronics Engineering students in India**

An Electronics Engineering graduate can find a job in consumer electronics manufacturing organizations, Telecommunications and IT industries, Health Care equipment manufacturing, Mobile Communication (2G, 3G,4G), Internet technologies, Power Electronics and other industries like steel, petroleum and chemical industry, directing control and testing production process.

Electrical technicians and technologists can specialize in technical sales, product representation, systems management, the design and manufacture of electronic devices and systems, or the installation, repair and maintenance of electronic systems and equipment.

They may also work with computers and electronic equipment in the medical, manufacturing, industrial control, telecommunications, aeronautical and military fields. Electronics Engineers also have several job opportunities and excellent pay packages compared to other branches.

Electronics and ECE Engineers are acquired by top recruiters (both private and government) like DMRC, Siemens, Motorola, Intel, Texas Instruments, BEL ISRO, DRDO, Accenture, Wipro, HCL Technologies, NVidia, Samsung, Tech Mahindra, Infosys, TCS, Conexant, MTNL, AIR, BSNL, Indian Air Force, Indian Navy, Railways, Bharat Electronics LTD, Flextronics and Philips Electronics.

#### **9. What is your success mantra and what would you like to advice our students?**

Digital disruption & transformation is the new focus area. Learning the new technology, innovation and being able to put the same to real life problem which should and give solutions for the same. Most importantly pickup relevant skills for the industry.

— Interviewed By  
Prof. Preeti Warriar



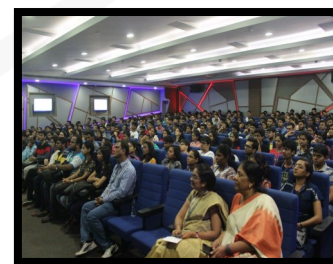
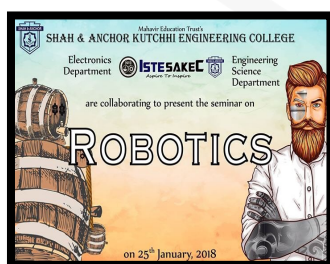


# DEPARTMENTAL EVENTS AND WORKSHOPS

- I. Department of Electronics Engineering in association with IEEE SAKEC conducted a Faculty Development Program on 19<sup>th</sup> December 2017. The topic was **Computational intelligence for Biometrics**. The speaker for the event was Prof. Vincenzo Piuri who has completed M.S. and Ph.D. in Computer Engineering from Politecnico di Milano, Italy. He is Full time Professor at the University of Milan, Italy (since 2000), where he was also Department Chair (2007-2012). He has been very active in promoting activities, cooperation, and internationalization in the IEEE. He was IEEE Director (2010-2012, 2015). He is candidate for IEEE President-Elect 2019.



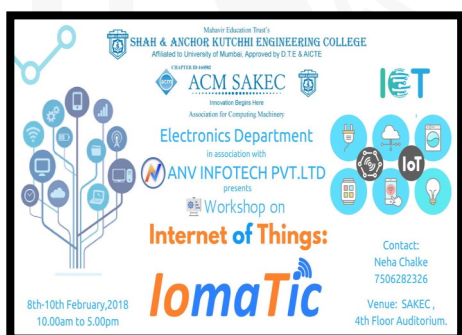
- II. Department of Electronics Engineering in association with ISTE SAKEC organized a seminar on **ROBOTICS** on 25<sup>th</sup> January, 2018. The seminar was conducted by Dr. Shantipal Suresh Ohol, who is an Associate Professor at COEP and has many remarkable achievements in the field of Robotics. The session talked about every kind of robot out there in the world, the future developments and scope of Artificial Intelligence. The students were listening intently and got to know more about the world of robotics.



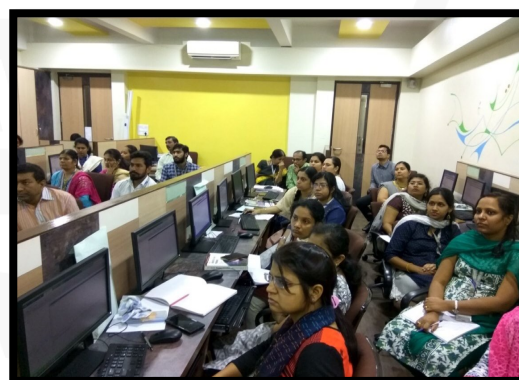
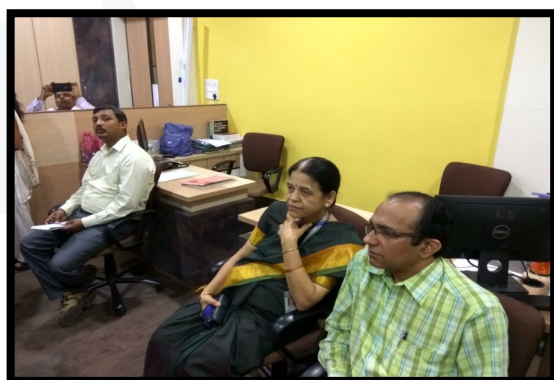
III. Department of Electronics Engineering organized a faculty development program on “**Simulation and Modelling of Molecular Communication Based Nano Networks**” on 3<sup>rd</sup> February, 2018. Dr. Prachi Raut, Associate Professor, SFIT, Borivali, was invited as a speaker. Molecular communication is a neoteric area in Nanotechnology. Dr. Prachi Raut has elucidated this nascent field very well. This talk was beneficial for the faculties and students to explore new fields in nanotechnology.



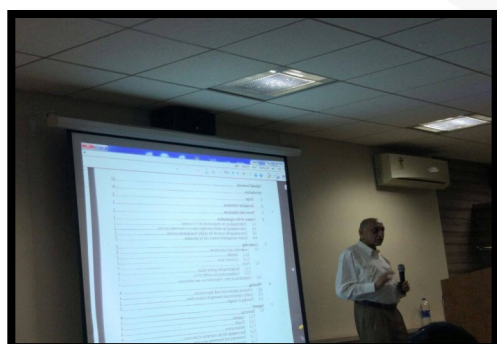
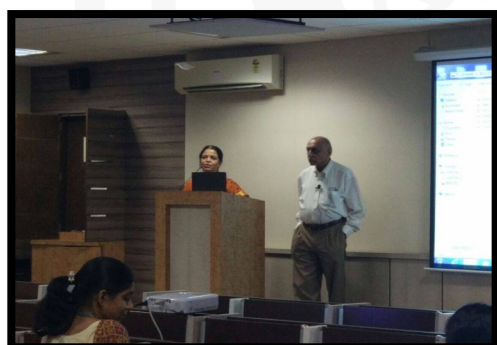
IV. Department of Electronics Engineering in association with ACM SAKEC a 3 days workshop on the **Internet of Things: IomaTics** from 8<sup>th</sup> February, 2018 to 10<sup>th</sup> February, 2018. The speaker of the event was Mr. Nilesh Sahare from ANV INFOTECH PVT. LTD. The workshop was conducted to make the students aware of the IoT Technologies and to provide them hands on experience of IomaTic board. Mr. Nilesh Sahare explained the students that how on a single click, IomaTic board can be converted into a real-life application.



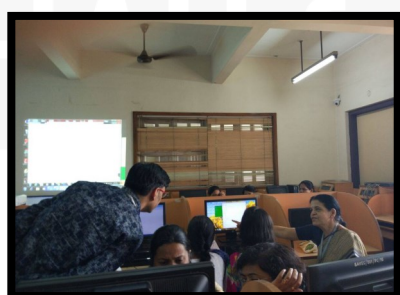
V. In view of the purchase of campus license of **MATLAB** software, an awareness session was conducted on 12<sup>th</sup> February, 2018 by Dr. Riddhi Ghosh of MathWorks. This event was organized by Department of Electronics Engineering. Around 40 faculties from various departments attended the session.



VI. An **ISO 2015 awareness** lecture was arranged by Department of Electronics Engineering on 21<sup>st</sup> February, 2018 between 12:30 pm to 1:30 pm. The ISO expert Mr. Dave delivered the lecture. It was attended by more than 110 staff members of SAKEC.



VII. Department of Electronics Engineering in association with IETE SAKEC had conducted a Faculty Development Program on '**Introduction to Python programming**' on 26<sup>th</sup> February, 2018. The speaker, Prof. Prakash Parmar from Computer Engineering Department, SAKEC successfully conducted an extensive hands-on session and enlightened the faculties about the basic knowledge of the Python programming language.



VIII. **Technokagaz –National Level Technical Paper Presentation Competition** was organized by IEEE SAKEC on 9<sup>th</sup> March 2018. This Event saw huge participation by Electronics Department.

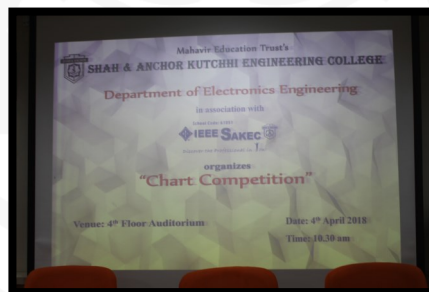


IX. Shah and Anchor Kutchhi Engineering College held the Convocation ceremony for the 2016-17 pass out batch, on 10th March 2018. The toppers were also felicitated during the ceremony.

## ELECTRONICS ENGINEERING : BATCH OF 2017



X. Department of Electronics Engineering in association with IEEE SAKEC had organized "Chart Competition" on 4<sup>th</sup> April 2018 in 4th floor auditorium. Students of SE and TE Electronics have participated in this event. They made charts based on their syllabus. The Judges for this event were Prof. Swati Nadkarni(I/c HOD, IT ) and Prof. Rohan Borgalli (EXTC Department). These charts will be displayed in the respective laboratories.



XI. ACM SAKEC and Department of Electronics and Telecommunication Engineering organized **Intra Departmental Innovative Project Hunt** on 7<sup>th</sup> April, 2018. Project 'Braille Printer' presented by the students of Electronics Engineering Department was selected as the Best Project. The projects were judged by Dr. Ramesh Karandikar, Professor, K. J. Somaiya College of Engineering



# PROJECTS



## VIRTUAL REALITY USING ARDUINO & PROCESSING

By

Pratik Kadam, Hrutuja Kurdhundkar,

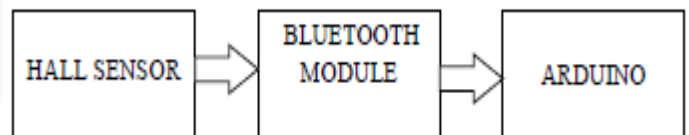
Ekta Lad, Shravani Karale

TE-ETRX

### INTRODUCTION:

Virtual reality is an environment that is simulated by a computer. Most virtual reality environments are primarily visual experiences, displayed either on a computer screen or through special displays. The simulated environment can be similar to the real world for example, simulation for pilot or combat training or it can differ significantly from reality, as in VR games. In this project we are going to show how to implement virtual reality using Arduino and Processing. For most of us, the movie Iron man by Jon Favreau has always been an

inspiration to build new things that will make our life easy and more fun.



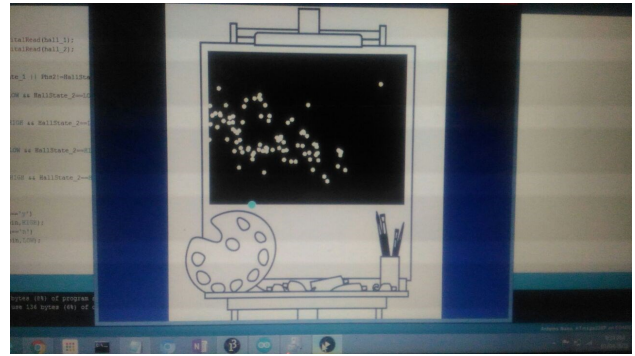
Block Diagram

So, in this project we have tried to mimic the Virtual reality stuffs that happen in the movie, like we can simply wave our hand in front of the computer and move the pointer to the desired location and perform some tasks. We will also show you how you can toggle lights by virtually moving your hand and making clicks with your fingers in the air.

### WORKING:

Once the Hardware and software is ready, wear the gloves and get ready for some action. Now, simply power the Arduino and then launch the Application. The led on the Bluetooth module should go stable. Now it means that your System application has established a Bluetooth link with your Arduino. You will get the following screen where you have to select the object to be tracked. This tracing can be simply done by clicking on the object. In this case the object is the Blue disc. Now you can move your object and notice that the pointer follows your object. Use a unique colour object and a bright room for best results. Now touch your thumb finger with index finger and you should see the message "Key 1 Pressed" and

the when you press your thumb with middle finger you should see “Key 2 Pressed” this indicates that everything works fine and the calibration is over. Now click on the Done button. Once the Done button is pressed you will be directed to the main screen where you can paint on air or toggle the LED on the Arduino Board.



## OUPUT

## APPLICATIONS:

- It can be replaced by mouse.
- It can also change the gaming world.

## ADVANTAGES:

- No need to stick on one place to finish the work.
- Easy to use.
- Can help to build a luxurious life.
- It is inexpensive.

## LIMITATIONS:

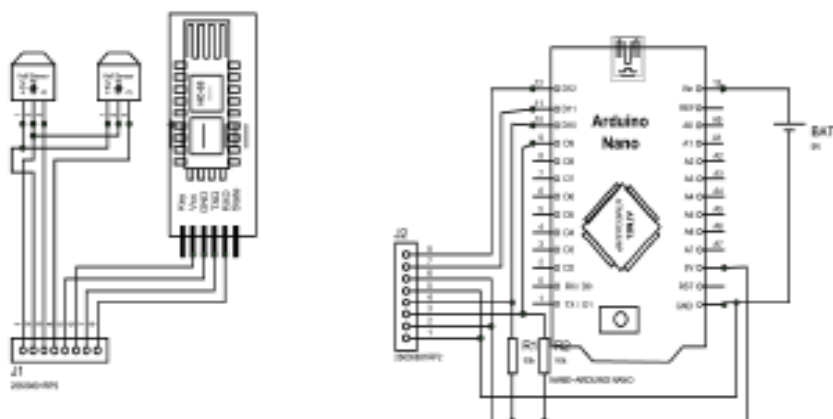
- Need to be in the Bluetooth range.
- If one goes beyond the range, connectivity problem might arise.

## FUTURE SCOPE:

- By increasing the calibration accuracy and range of Bluetooth it can control many systems using only one gadget.
- Also can help to change gaming world.

## REFERNCES:

- Catmull, E., L. Carpenter, and R. Cook 1984 Private and public communication. Communication in reference to the number of polygons required to render reality, making certain assumptions about depth complexity and display resolution.
- Larijani, L.C., ed. 1994 *The Virtual Reality Primer*. New York: McGraw- Hill, Inc.
- Thompson, J., ed. 1993 *Virtual Reality: An International Directory of Research Projects*. Aldershot, U.K.: JBT Publishing.
- Thorpe, J. 1993 Synthetic environments strategic plan. Draft 3B. Alexandria, Va.: Defense Research Projects Agency.



Circuit Diagram

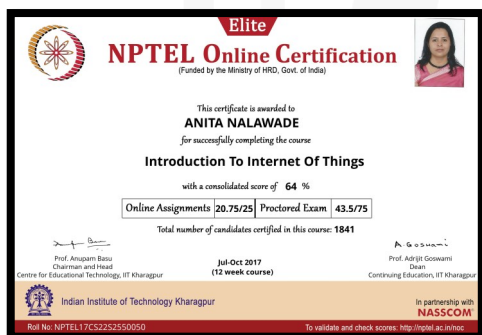


# ACHIEVEMENTS

## • STAFF



- I. **Prof. Asha Durafe** delivered a guest lecture in one day seminar on 'Cyber Security in Industrial Automation and Control' arranged by ISA, Maharashtra section on 24th February 2018 at Hotel Fortune Lake City, Thane, Mumbai
- II. She also published a paper on 'A Review of Digital Steganography Methods' in 'International Journal of Creative Research Thoughts (IJCRT)', Volume 5, Issue 4 November 2017, ISSN:2320-2882, ©2017 IJCRT, IJCRT1704144



- III. **Prof. Anita Nalawade** has successfully completed the NPTEL Online Certification course of 'Introduction to Internet Of Things' with a consolidated score of 64%



- IV. **Prof Preethi Warriar** won the first prize for her story 'Not Always diamonds and chocolates', in the short story contest organized by BananiVista.

**V. List of staff members who excelled in spoken tutorial Examination**

<b>Name of the faculty</b>	<b>Course taken</b>
Anita Nalawade	PYTHON
Madhura Pednekar	PYTHON
Pooja Polshetwar	SCILAB
Deepak Mishra	SCILAB
Udayan Kamble	PYTHON
Jayashree Bhole	CPP
Asha Durafe	PYTHON
Sonam Dilip Solkar	PYTHON
Manisha Mane	PYTHON
Sarika Bukkawar	CPP
Amruta Nehete	LATEX
Manjusha Kulkarni	C
Kiran Thale	LATEX

## • STUDENT

- List of teams from Department of Electronics Engineering that participated in Intra-departmental Innovative Project Hunt organized by Department of Electronics and Telecommunication Engineering and ACM SAKEC

Name of Student		Title of Project
Mr. Digvijay Jadeja	Winner	Braille Printer
Mr. Sushil Jagtap		
Mr. Abhishek Joshi		
Ms. Snehal Sakat		
Ms. Geeta Pawar	Analysis of CMOS Analog VLSI Circuit	
Ms. Sampadarani Phatak		
Ms. Veronica Thapa		
Ms. Dnyanda Parab	Automated Leukemia Detection	
Ms. Mayuri Ninave		
Mr. Mayur Patankar		
Ms. Poorvi Girish		



II. Chart Competition was organized by Department of Electronics Engineering and IEEE SAKEC saw huge participation from the department and 4 winners were declared from 14 teams.



<b>Kiran Lokare</b>	<b>Arduino</b>
<b>Rohan Kadam</b>	
<b>Kavish Jain</b>	
<b>Krushikesh Wagavkar</b>	

Winners



<b>Gaurav Rai</b>	<b>Window Function</b>
<b>Pratik Kadam</b>	
<b>Hrutuja Kurdhundkar</b>	
<b>Sakshi Parab</b>	

1st Runner Up



<b>Dipika Neman</b>	<b>CMOS Fabrication</b>
<b>Abhishek Patil</b>	

2nd Runner Up



<b>Sahil Nemane</b>	<b>Quantum Computer</b>
<b>Aditya Moghe</b>	
<b>Santanu Panigrahi</b>	

3rd Runner Up

III. Corporate Infocom Private Limited is an IT based webhosting company which provide web-tools to students so that they can create and work on their own website. Every year they conduct annual convention where they provide medals and certificate to top performed websites.

This event was conducted this year and out of 500 nominees of website, under Top 10 websites, **Tushar Dattatray Sapkal** from B.E.2 (Electronics) and **Siddharth Dhiren Vira** from S.E.1 (Electronics) have received certificates for their websites: **www.wownhow.com** and **www.itstechnoera.com** respectively.



**Tushar Dattatray Sapkal**



**Siddharth Dhiren Vira**

IV. 4 Teams from Department of Electronics Engineering Participated in Technokagaz – National Level Technical Paper Presentation

Name	Year	Topic of Presentation
Aaditya Aurobindo	TE	<ol style="list-style-type: none"> <li>Bioimpedance to asses muscle injuries</li> <li>Graphene antenna design for efficient terahertz</li> </ol>
Kajol jadhav Pradeep Sharma Divyesh gohil Anjali bhojane	BE	IoT based garbage monitoring system
Tejas patil Vibhuti masurkar Ashwini pardeshi Kunal pandit	BE	Home automation using IoT
Krunal khatri Ganesh jadhav Manish kushare Zeeshan Shafi	BE	Hand motion controlled wheelchair with home automation



# RESULT ANALYSIS

## SE SEM III

SUBJECT	Total Appeared	Total Passed	%Passed
Applied Mathematics-III	112	53	47.32
Electronic Devices and Circuits-1	113	50	48.67
Digital Circuits and Design	109	80	73.39
Electrical Networks Analysis and Synthesis	113	62	54.86
Electronics Instrumentation and Measurements	109	88	80.73

## TE SEM V

SUBJECT	Total Appeared	Total Passed	%Passed
Digital Communication	137	113	82.48
Design with Linear Integrated	136	124	91.17
Signals and Systems	136	95	69.85
Microcontrollers and Applications	130	124	95.38
Electromagnetic Engineering	137	129	94.1

## BE SEM VII

<b>SUBJECT</b>	<b>Total Appeared</b>	<b>Total Passed</b>	<b>%Passed</b>
Embedded System Design	119	110	92.44
IC Technology	122	107	87.7
Computer Communication Net-	118	107	90.67
Power Electronics—II	119	106	89.07
Digital Image Processing	83	75	90.36
Artificial Intelligence	34	29	85.29

# Branch Toppers

## ELECTRONICS DEPARTMENT TOPPERS



Jha Kanchan  
Ravindra

SE - Sem III

CGPA - 8.46



Bhaip Narayan  
Ratan

SE - Sem III

CGPA - 8.00



Dornala Sneha  
Bhaskar Lata

TE - Sem V

CGPA - 9.86



Joglekar Tanvi  
Hari

TE - Sem V

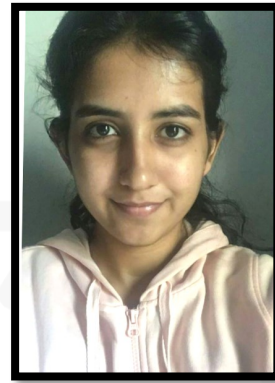
CGPA - 9.86

BRANCH  
TOPPERS





Verma Sarita  
Manojkumar  
Kamlesh  
TE - Sem V  
CGPA - 9.64



Yadav Arushi  
Ashokkumar  
Seema  
TE - Sem V  
CGPA - 9.64



Mali Ganesh  
Hanmant  
Sarita  
BE - Sem VII  
CGPA - 8.48



Shukla Arvind  
Kamalnarayan  
Manju  
BE - Sem VII  
CGPA - 9.37

# TOPPERS FELICITATION



Sunil Sala — FE



Purva Desai — FE



Sushant Awale — SE



Tanvi Joglekar — SE



Dnyanda parab — TE



Sameer Injapure — TE



Snehal Pawar — BE



Aditi Dumbre — BE

BRANCH  
TOPPERS

# SUBJECT TOPPERS

## SE SEM III

Subject	Name of Student	Marks(out of 100)
Applied Mathematics-III	Bhaip Narayan	86
Electronics Devices & Circuits-I	Desai Purva	80
Digital Circuit Design	Kashyap Anushka	88
Electrical Network Analysis Synthesis	Mohammad Aiyooob	73
Electronic Instrumentation & Measurement	Patil Sara	75

## TE SEM V

Subject	Name of Student	Marks(out of 100)
Microcontroller & Applications	Jogalekar Tanvi	90
Design with Linear Integrated Circuit	Jogalekar Tanvi	83
Electromagnetic Engg	Jogalekar Tanvi	86
Signals & System	Verma Sarita	89
Digital Communication	Jogalekar Tanvi	86

## BE SEM VII

Subject	Name of Student	Marks(out of 100)
Embedded System	Mayuri Ninave	76
	Shukla Arvind	76
Integrated Circuit Theory	Mali Ganesh	77
Power Electronics II	Shukla Arvind	75
Computer Network	Mandavkar Ninad	77
Digital Image Preccessing	Mali Ganesh	87
Artificial Intelligence	Tiwari Ronak	76

# Creativity Corner

## 1. PAINTINGS & SKETCHES



— Contributed by Rahul Panda  
TE2

## 2. PHOTOGRAPHY



©amoghangre

Amogh Angre

TE 2

### 3. LITERATURE

I want to choose,  
The life of fear,  
And wish to be,  
In the war-gear!

I want to have,  
The real fun,  
With the mighty,  
Tavor 21!

I want to be,  
In the battlefield,  
To face the real,  
Challenging scene!

I want to keep,  
My flag on the top & to,  
Keep him fly,  
I will never-ever stop!  
I will never-ever stop!

- Nilesh Gaonkar

TE 2

