

Our Patron

Hon. Ravindraji M. Mang

OUR SINCERE GRATITUDE **TO**

Principal- Dr. S. V. Patil

Editor-in-chief- Prof. M. M. Rahate.

Editor- Prof. R. K. Atyali

Co-Editor- Prof. P. D. Salunkhe.

VISION

To impart quality education.

MISSION

- To excel in imparting extensive knowledge in Electronics Engineering prescribed by MSBTE Diploma curriculum
- To prepare the students with knowledge and necessary technical skills required for higher education, Job and to be successful entrepreneurs
- To develop ethical values among the students to create respect for society and environment
- To develop all round personalities of the students for imparting lifelong learning

2016-17

NEWS LETTER



**Department of Electronics
and telecommunication in
association with ASENT**

Vol 1 Issue 1

2016-17

CHAIRMAN'S ADDRESS



Hon. Ravindra Mane

It is a matter of great pleasure and satisfaction that RMP has come up with the first issue of the Departmental Newsletter.

I believe that the newsletter will serve as a window through which the complete profile of the academic and co-curricular activities, achievements and progress made during the stipulated period can be viewed.

We at RMP are committed to creating an ambience for nurturing innovation, creativity and excellence in our students. We aim to prepare the young engineers and managers to confidently and competently face the challenges of intensifying competition by imparting high quality technical and managerial education coupled with appropriate training and wide exposure to the state-of-art practices. Our educational programmes lay emphasis on all round personality development and also in inculcating human values and professional ethics which help our students become more human and socially responsible to lead a meaningful life.

Best wishes for the success and bright future in all their endeavours.

PRINCIPAL'S ADDRESS



Dr. S.V. Patil

I am very happy to note that the Department of Electronics and Telecommunication Engineering of Rajendra mane Polytechnic (Ambav-Devrukh) is releasing its first Newsletter enumerating the various activities and achievements of their faculty and students.

Electronics and telecommunication engineering is a field that involves complex electronics apparatus, circuits and equipment's that help in executing the speedy and efficient telecommunication systems. The students and faculties of department are always proactive in taking initiatives in technical, cultural and social events. I hope that this newsletter will serve the purpose of reflecting all activities of department and it will inspire others to do their best.

I congratulate all the students who have put their efforts in bringing this first newsletter issue and also appreciate HOD and all faculty members for motivating their students towards this fulfilment. I wish each one of them in the Department success in all their endeavours

From the HOD's Desk:

Prof. M. M. Rahate

“It is hard to imagine the world without **ENGINEERING** and it is **impossible** to imagine the world of engineering without **ELECTRONICS**”

Greetings as a head! Let

me begin by thanking you for your support in so many ways – organizing workshops, events, meaningful visits. And indication of the sentiments you have for the department. It's our pleasure to publish first departmental newsletter. Here we are seeing expansion on all fronts – students – faculty coordination and all possible efforts to reach department at higher position. Your inputs are always valued.

From 19th century world started to walk on wheels supported by mechanical engineers and to walk on wheels the civil engineers. But still there was a space acting as barrier in the development. The world needed to come closer for their economic growth and to be closer and more communicative all countries had to destroy the imaginary boundaries to communicate and trading beyond lines. This task is done by electronics, a corner of engineering.

At the end of 20th century the whole world started to communicate, trade more easily and in more convenient way. This electronics era resulted in superior growth in world economy as well as Indian economy.

So join your hands with electronics and be a part of growing industry and get satisfaction by helping human beings improving their standard of living and offering them a comfort life.

Editor's Point of view-

Prof. R. K. Atyali

Dear students,

Welcome to the first issue of our departmental newsletter for academic year 2016-17. As the first Editor, please let me start by conveying my gratitude to all my colleagues and students.

This Newsletter will play a critical role in presenting news and stories from every corner over department. The purpose of this newsletter is to keep faculty and students of the electronics department connected and to provide a platform for the sharing of information and their thoughts.

DEPARTMENT

We as an electronics engineer try to comfort the life and feel proud to possess reason of satisfaction of human being. We have labs with well-equipped and actual experimental set-up, models and charts for the students to have hands on experience apart from theoretical knowledge. In order to provide required skill to industry, department organizes field visits so that students will aware of industry and professionalism. The department regularly conducts certificate short term workshops and technical, non-technical events to become student multidimensional. Department have well Qualified, Sincere and Dedicated Teaching & Non-Teaching faculty members. Faculties are trying to upgrade their knowledge and skills by attending various Workshops & Seminars. And the efforts of departmental faculties and institute outcomes, students from the department are placed in reputed industries such as BAJAJ, FLASH ELECTRONICS etc.

FACULTY MEMBERS

TEACHING STAFF

Prof. M. M. RAHATE
(I/C HOD M.E. Pursuing)
Experience.....5 Years

Prof. P. P. SALVI (M.E. pursuing)
Experience.....4 Years

Prof. A. V. RAJWADE (B.E. E&TC)
Experience.....3 Years

Prof. S. S. RASAL (B.E. E&TC)
Experience.....3 Years

Prof. M. Y. MACHIVALE (B.E. Electrical)
Experience.....3 Years

Prof. P. D. SALUNKHE (B.E. Electronics)
Experience.....4 Years

Prof. R. K. ATYALI (M.E. perusing)
Experience.....3.5 Years

NON TEACHING STAFF

Mr. R. Y. BHOKARE
(Diploma in Electronics).....Lab Asst.

Mr. A. A. GOPAL
(ITI-Electrician).....Lab Asst.

ASENT

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MISS. MANGALE AKSHARA

Faculty Forum and Article



Prof. P. P. Salvi

Digital India is a campaign launched by the Government of India on 1st of July, 2015 in order to transform India into a complete digital country. It is an initiative planned to digitally empower Indian society by integrating the government departments and leading companies (national or international level).

The main purpose of digitizing this country is to make available all the government services at easy reach to the citizens of India. There are **three key vision areas** of this programme which are

- Digital infrastructure all through the country is like a utility to the Indian people as it will make available high speed internet delivering all the government services with ease and fast. It will provide lifelong, unique, online and authenticable digital identity to the citizens. It will make easy access to any online services like handling bank account, financial management, safe and secure cyber-space, education, distance learning, etc.

High demand of good governance and online services will make available all the services in real time through digitization. Digitally transformed services will also promote people for doing online business by making financial transactions easy, electronic and cashless.

Digital empowerment of Indian people will really make possible of digital literacy through universally accessible digital resources. It will enable people to submit required documents or certificates online and not physically in the schools, colleges, offices or any organization.

Digital India programme has been implemented by the government of India to ensure following **aims of this initiatives:**

- To ensure the broadband highways.
- To ensure the universal access to mobile phones.
- To facilitate people with high speed internet.
- To bring e-Governance by reforming government through digitization.

To bring e-Kranti through electronic delivery of services. [Type a quote from the document or the summary of an interesting point. You can position

the text box anywhere in the document. Use the Drawing Tools tab to change the formatting of the pull quote text box.]

- To make available online information for all.
- To ensure more IT jobs.

Student Article



Space electronics is a field of R&D that few people have heard about or had experience with, still it could be interesting to everyone with a minimum of electronics knowledge to get some insight into this field.

Historically considered, space electronics has been a major driving force for the development of electronics. It was the development of rockets and missiles during the cold war that led to the first mass production of integrated circuits. Today the situation has however been turned upside-down: Electronical components have found their way into all kinds of consumer articles, and there are just a few electronics producers who have specialized in the little niche that space missions have become. A considerable technology gap has therefore evolved between the capabilities of space components compared to those of commercial components.

The space environment

Space electronics is subject to very harsh environmental conditions. First of all, the electronics must survive the vibrations imposed when the rocket is launched. Secondly, it has to be able to withstand very high temperature variations. Due to the vacuum in space, there is no thermal convection or conduction taking place, with the only heat transfer mechanism remaining being radiation. A satellite orbiting

the earth therefore experiences that the temperature varies from more than 120 Degrees Celsius on the side facing the sun to less than 150 Minus Degrees Celsius on the shadow side of the satellite (out in the cold, interstellar space, the radiated temperature goes as low as 2.7 Kelvin, given by the background radiation). As air cooling is not possible on a satellite, the satellite instruments have to be designed in such a way that the heat is led away to a place on the shadow side where it can radiate out in the cold space.

Space electronics meets many of the same challenges as the electronics used in offshore installations, like the requirement to withstand very high temperatures. However, in space there are also requirements to meet that we do not see so many other places: For example, the electronics has to withstand much higher levels of radiation than on earth.

Conclusion

Microelectronic circuits for space have to meet requirements which are very different from those of ordinary consumer electronics, one of the most particular is the requirement to withstand radiation. The driving force of electronics development today is the consumer electronics, while space electronics developers prefer solution that are already proven safe and reliable. Considering the choice of components and practical circuit solutions for the space segment, one could say that the space electronics lags behind the consumer electronics with approximately 10-15 years.

Mr. Aditya Pawar
SY EXTC

Expert's Energitic Thoughts



Expert thoughts shared by Ms. Arati Patil

Field Experience



Industrial visit to VANAS Engineering



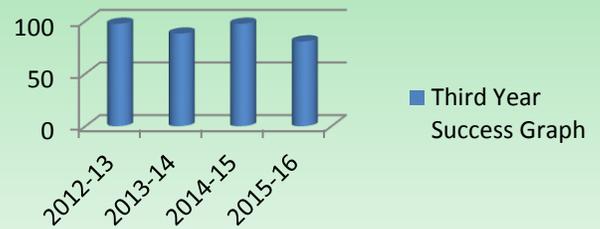
A visit to Nive Dam



A visit to RENUTRON, Kolhapur

Academics

Third Year Success Graph



A visit to BSNL, Ratnagiri

Research Papers Publication by Faculty

Name of Staff	Title of Research Paper	Name of Journals
Prof. P.P. Salvi	Resource allocation in IOT using FUZZY logic	IJEDR, vol 3 issue 4 Dec 2015
Prof. R.K. Atyali	An approach through image fusion for detection of cancer	IJSETR, vol 4 issue 12, Dec 2015

Academic Year 2015-16

THIRD YEAR TOPPERS

Rank	Name	Percentage
1	Kadu Vaishnavi Suresh	82.88%
2	Shinde Chinmay Ulhas	82.82%
3	Kadam Gouri Ganapat	80.82%

SECOND YEAR TOPPERS

Rank	Name	Percentage
1	Oak Nutan Shirish	77.19%
2	Parhate Rachana N.	75.19%
3	Ghadashi Sanket Vilas	67.69%

FIRST YEAR TOPPERS

Rank	Name	Percentage
1	Sawant Pradnya Pramod	74.50%
2	Killekar Gaurav M.	72.27%
3	Tharval Anuj Sandip	71.80%



Horizon 2K15 prize distribution

Beyond the Academics



Winning moment of Girl's General championship



PLC- SCADA Workshop

**Only TONIC for life is an
ELECTRONIC**

PLACEMENT RECORD ACADEMIC YEAR 15-16

Sr No	NAME OF THE STUDENT	NAME OF COMPANY
1	TANVEER PARKAR	FLASH ELECTRONICS PUNE
2	SURAJ PARKAR	FLASH ELECTRONICS PUNE
3	ANIKET WAIKAR	FLASH ELECTRONICS PUNE
4	MAHESH GODE	FLASH ELECTRONICS PUNE
5	MAYUR SAWANT	FLASH ELECTRONICS PUNE
6	AKHILESH GURAV	FLASH ELECTRONICS PUNE
7	PRADNYA SHINDE	IMPACT INFOTECH PUNE
8	NIKHIL DALI	FUKOKU PVT LTD PUNE
9	NIKHIL DALI	L&T PUNE

**PLACEMENT RECORD OF ACADEMIC
YEAR 2013-14**

Sr.No	Name of the student	Name of Industry	Department
1	Mr .Yogesh Lingayat	SEA CAREER MARITIME	EXTC
2	Mr. Bangde Akash	SEA CAREER MARITIME	EXTC
3	Mr. Ketan Adamkar	SEA CAREER MARITIME	EXTC
4	Mr. Prathmesh Desai	SEA CAREER MARITIME	EXTC
5	Mr. Khemraj Naik	SEA CAREER MARITIME	EXTC

We make world smaller, lighter, closer

And because of us world becomes Smarter!!