

Faculty involvement for creating awareness about Social Responsibility

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Abstract: As an engineering faculty, always talks about obligation of an engineer for social development. It is the role of a teacher to encourage or involve the students in society related activities. This paper present community development related activities run by engineering faculty involving students. It engages the students to look around community & find out the areas where as human being and engineer can help the society. This paper deals contribution of engineering faculty.

Keywords: Community, contribution, technical, nontechnical, engineering faculty

I. INTRODUCTION

Rajarambapu Institute of Technology, Rajaramnagar (formerly known as College of Engineering, Sakharale) was started in 1983. The Department of Electronics and Telecommunication Engineering (formerly known as Department of Electronics) is established in the year 1991 with four years UG program in Electronics. In 2002-03, the department has started Electronics and Telecommunication Engineering program in place of Electronics Engineering program. The two post graduate programmes in 'Electronics' and 'Digital Systems' are introduced in the year 2002 and 2011 respectively. The department is recognized as PhD research center by Shivaji University, Kolhapur. The

UG & PG (Electronics) programmes are accredited by NBA, New Delhi. Department has always remained in the forefront in producing quality engineers/technocrats who brought success to the department and institute. Department has excellent infrastructure facilities and resources in the form of modern equipments, faculty, library & references which always prove useful to our UG and PG students and to other technical institutes or industries in and around. Department has maintained a rapport with the industries and R & D organizations. The department has well equipped laboratories with modern instruments and advanced softwares. The department has a close interaction with the alumni and is continuously using their inputs for improvement of the curriculum and research facilities. We are committed to provide a quality education with emphasis on strong foundation, fostering creativity and use of modern ICT tools. The details of faculties involved in the concern for social responsibility are Prof. Mrs. Shaila Suresh Patil and Prof. (Dr.) Mrs. Jayashree Sudhir Awati from ETC department, Rajarambapu Institute of Technology.

II. OBJECTIVES

- Contribute towards society
- Involve students in social activities

- Motivate the students towards community development

III.CONTRIBUTION

For running the community development activity, special Community Development Cell is formed. As in-charge for this Cell, we contribute lot of activities. The different activities organized are divided into two categories.

- Technical
- Non-Technical

IV.TECHNICAL ACTIVITIES

A. Educational Tutor:

Educational Tutor developed for Mentally Disable -for SchoolPrerana Vidyalaya, Vategaon, District,-Sangli Maharashtra.The tutor covers alphabets, which give pictures & audio related to that alphabet. Special keyboard is designed with large size keys, so that it is easy for the students to handle. When alphabet is pressed, the Alphabet,it's picture & audio information of that alphabet is run. This tutor is made to attract & create an interest amongst the students & faculty.

Date of conduction: Academic year 2011- 2012

No.of students benifited: 25

B. Agriculture related projects:

Agriculture related projects were made by students, which helps the farmers or guides them in various aspects.Such as Automatic Irrigation system, Smart Sprinkler system, Weather monitoring system, agriculture parameters sensing through wireless, etc.

Project Year :Every Year two projects

C. Nevari Camp:

AakashTablet awareness Camp is organized at secondary School Mahadik Vidyalayaat, Newari.

This will motivate the students to use new technology with motivation. In this Camp we have gone through the use of laptops, mobiles, PDAs with some small applications and experiments to school students.

Date of conduction: 06-09-2013

No.of students benifited: 70



Plate 1: Aakash Tablet awareness Camp

D. One day seminar on “opportunities after 10th”, Mohite Vadgaon:

The seminar focused on opportunities after 10th in engineering education, government facilities, and scholarships, earn and learn schemes. The seminar focused on team building importance, learning strategies and ethics with some motivational video clips.More than two hundred students attended the seminar.

Date of conduction: 15-09-2012

No.of students benifited: 100





Plate 2: One day seminar on "opportunities after 10th ", Mohite Vadgaon:

E. Renewable Energy Invention Completion:

The renewable energy Invention completion is organized in our department to promote students to think towards renewable energy sources and motivate them towards invention. Lot of school students are involved in this competition and own the prize. The prize amount is Rs2000/- for first rank, Rs 1000 for second rank and two motivational prizes.

No.of groups participated: 27



Plate 3: Renewable Energy Invention Completion

F. National Conference on Rural Development:



Plate 4: Plenary session by Hon. Vivek Sawant, Director MKCL

Hon.Vivek Sawant, Director MKCL, Pune addressed during the plenary session of National Conference on “ Electronics for Rural Development”. Out of 100 papers we select the 60 papers for publication and presentation. All papers are very good. This conference deals with inspiration of electronics engineers for rural development. Dr. M. P. Ravindra Sr.Vice President, Member of Management Council and Head of Education & Research Infosys addressed the participants about importance of rural development. Date of conduction: 7-6-2013 and 8-6-2013

No.of papers presented: 54

V. NON-TECHNICAL

A. Tree Plantation:

Tree plantation is done by faculty and students for creating the awareness about nature.

Dates: every year in the month of July

No. of students involved: 50

B. Donation:

Clothes & toys were Donated to slum areas nearby areas & orphanage at Kolhapur.

Blood donation camp was organized in campus.

Date of conduction: 25-1-2012

No. of students and faculty contributed: 40

C. Old Musical Instrument Exhibition:

The old musical instruments Exhibition were organized. The musical systems are gathered from society. This activity helps students to interact the peoples from society.

Date of conduction: 5-9-2013



Plat 5: Old Musical Instrument Exhibition

D. Teaching Envelop Preparation to Mentally Disable Students:

Our students taught the mentally disable students for envelop making in Prerana School. They made envelops with these students. They made different types of envelops. This is the one trial to

make these students and school to motivate for self earning.

Date of conduction: 25-3-2012

No. Of students' benefited: 36



Plate 6: Prerana School Students, and students engaged in envelop preparation

E. Go green save green:

National Level Symposium was launched with Green Energy Theme: Go green save green and spread this message.

Dates: continuous process

F. Motivational Speech:

Motivational Speech by Deputy Collector, Opportunities for an Engineer in Civil Services – Engineer's role & responsibility: During this speech Felicitation of Ashwini Masal (T.Y. E&TC) for her representation at International Level in Taekwondo at the hands of Dr. Dipti Patil, Dy. Collector Sangli District.

Date of conduction: 16-9-2013

No. of students benefited: 180



Plate 6: Motivational Speech by Deputy Collector, Dr. Dipti Patil

G. National Seminar:

One national seminar was organized for diploma students. More than 150 students from different are participated. This seminar is focused on recent trends in VLSI and Embedded system and its applications for society development.

Date of conduction: 23-1-2012

No. of students benefited: 170



Plate 7: National seminar



Plate 8: National seminar speech by Awati and Patil

H. Ethics:

Abhijeet Kamat given speech on ethics and importance of teachers in life. He given many examples importance of teacher in everybodys life. He gave many examples.



Plate 9: speech by Abhijeet Kamat

I. Movie making competition:

Movie making open competition was organized: The movie making completion themes are save girls and avoid child labour. 25 movies are displayed and these all movies are made by students. This activity is for creating the awareness among students.

Date of conduction: 05-01-2014

No. of students participated: 32



Plate 10: Movie making competition

J. Quiz competition:

Quiz competition was organized and the topics disused are related to social issues. The evaluation was done by Dr. Seema Desai madam (PhD in MBA).

Date of conduction: 15-02-2012

No. of students participated: 32



Plate 11: Quiz competition



Plate 12: social responsibilities guideline by Dr. Seema Desai in Quiz competition

K. Girls awareness speech:

Organized speech by Kinikar Madam how is playing major role in women security and women development activity in Islampur. She guided the girls regarding women empowerment and how to behave in society. With examples she given the guidelines to girls about awareness of wrong and right things as well as how to handle or avoid the issues. On the occasion of women day we organized this speech.

Date of conduction: 08-3-2013

No. of students participated: 49



Plate 13: Posters on women



Plate 14: Girls awareness speech

CONCLUSION

Social responsibilities are handled by engineering faculty with creating awareness amongst the students. There is major need of handling social responsibility by young generations. If everyone, do something for society the lot of problems will overcome. The Indian social development will happen. The India achieves the vision of 2020.

Acknowledgment

We take the opportunity to thank our student members, who actively participated in various activities organized for social development. We also thank our colleagues, technical and supporting staff for cooperating us.

BRIEF INTRODUCTION OF FACULTY

MEMBERS:



Name :- **Mrs. S. S. Patil (Nalawade)**

Asst. Professor

Qualification:- **M.E. (Electronics)**

Area of Linear Integrated Circuits,

Specialization: Communication

Experience: 18 Years

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Name :- **Dr. J.S. Awati**

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Qualification:- **Ph.D, M.E. (Electronics)**

Area of Wireless communication,

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