

J.S.P.M.'s
Jayawantrao Sawant College of Engineering,
Hadapsar, Pune-28

Department of Electrical Engineering

Vidyut
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Our Motivators

Knowledge only Liberates and technical education has been the core for the development of society and humanity. Educational Institutions at JSPM are committed for imparting time based and value added quality learning

It is our endeavor at JSPM to make students learn through involvement and commitment. We believe that quality education it the only way for molding students into successful engineers.

Modern technology helps us in efficient learning process. At JSPM, we set up and adopt all available modern methods to see that students learn the fundamentals of the technology they have chosen.

For learning, right environment is required and this is available at all our JSPM campuses.

Apart from classroom teaching and lab works, we believe in overall development of the students. We have adopted the mentor scheme where in each faculty member takes care of fifteen students and has to take the volley of peer group. We emphasis also on presentation skills and innovative projects to be carried out by the students.

At JSPM we make the learning process like ritual that attracts the students to our institutes. We are totally committed for overall development of student fraternity as we know that they are the only future growth generators of the world.



Dr. M.G. Jadhav
Principal JSCOE

Positive attitude is very important in our life

What is inside your mind will always comes out, whenever life squeezes us. When some one offends us and if anger pain, fear comes out of us that means our mind is full of negative things. Life may squeeze us in role of our parent, brother, sister, children, boss etc.

Once we take away all this negative thing which we don't want in our life and replace them with love , we find living a highly functional life



Suneeta Phadkule
Vice-Principal JSCOE

Electrical Engineering is the largest and most diverse technological field in the world. The Department of Electrical Engineering offers undergraduate Electrical Engineering, one of the Core Engineering Branches. With rapid Industrial growth in the Country the requirement of electrical engineers has tremendously increased in Power Sector and Industries in private, and Government companies. This has resulted in opening of enormous opportunities for graduate Electrical Engineers.

The department has 14 faculty members and about 225 undergraduate students and well equipped laboratories. Our faculty members are experts in the areas they teach. Not only do they provide a solid grounding in the academic theories and concepts of their specialty, they also provide the students challenges facing their discipline. They provide the students the right balance of theory and practice. We emphasize team work to give opportunity to each student to benefit from the ideas and intelligence of their classmates.



Prof. N. G. Padulkar,
Head Electrical Engineering Dept



Traffic duty activity

A blood donation camp was organized by the NSS in the Jayawantrao Sawant College of Engineering at Hadapsar for the Poona Serological Institute Blood Bank, Pune in the presence of Dr. M. G. Jadhav (Principal, JSCOE), Dr. V. A. Bugade (Director, Hadapsar Campus), Prof. Sanjay Sawant (Assistant Director), Prof. Ashish Lagad (NSS Program Officer). The inauguration was done by Dr. M. G. Jadhav. 223 students and staff members donated blood. Certificates and donor cards were issued to blood donors. NSS volunteers were divided into various committees for the easy functioning of the program.

On the occasion of Ganesh Visarjan Miravnuk, traffic duty activity was performed by NSS Unit of Jayawantrao Sawant College of Engineering at Hadapsar. NSS volunteers worked under the guidance of officials of Wanowrie Police Station. On the day before activity, the police officer gave the guidance to volunteers about the way to handle traffic and the way to deal with people effectively. Refreshment was offered by the police officers. From NSS unit of college, 63 volunteers participated in activity. Team of volunteers was divided into different sections for efficient execution and asked to work at different locations such as Wanowrie police station area, Bhairobanaala, Shriram chowk Hadapsar, Mohammad wadi Police chowky etc. The working time for traffic duty was from 4pm to 12pm. Police officer appreciated team work and task execution of all volunteers. Entire activity was coordinated by Mr. Sayaji Gaware (Senior Police Inspector, Wanowrie Police Station).

N.S.S Activities



Tree plantation activity



Blood donation camp

Tree plantation activity was performed on reserved forest land in pune region at post Hadapsar through involvement of NSS volunteers and other students of institute under ambitious initiative "Vanmahotsav" taken by Forest Department, State Government of Maharashtra. Under the guidance of forest officer Mr. V. J. Gaikwad, 200 students planted near about 800 trees of various species

Industrial visits

Industrial visit of final year student at state load dispatch centre Kalwa.

To give knowledge about practical applications of power system operations control and stability, BE electrical students visited load dispatch center for Maharashtra state in month of sept 16. Students were enlightened about complex load dispatch system, use of PLC and Scada and in-house software to calculate per unit cost of generation

Students from BE Electrical Deepranjan Singh, Ritita Lavate, Swapnali Janrao have Presented the paper “Stator Winding Faults Diagnosis of An Induction Motor Using Motor Current Signature Analysis” in paper competition organized by Institution Of Engineers Pune.



DEPARTMENT ALUMNI ENTREPRENEURS FALICITATION



VINAY NAGPURKAR



MOHIT AJMERA



SANGRAM PATIL

As an Entrepreneurship Event, competition were conducted on 8.16 at V.C. Hall. Details of competitions are given below.

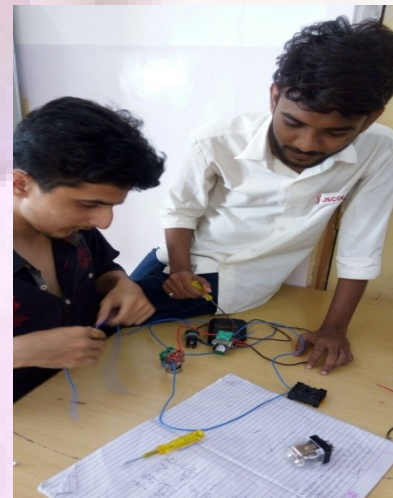
Logo Design Competition: Logo for E.D. cell of JSCOE to be designed by the students. Total 32 students participated in the event. Faculty coordinator were Prof. Dr. P.N. Gokhale and Prof. Monali Shinde. Bhagyoday Bhagat won 2nd prize in this competition

Seminars and Workshop



In this unique one-day training program students from Electrical Department came together at JSPM campus and learn to assemble their own design of PV system to help them to fulfil their study light needs. In addition to these students also learn the value of renewable energy . The inauguration was done by Dr. M.G. Jadhav, HOD and staff of Electrical Department were also present in the workshop. 70 students attended this workshop.

Workshop on PLC & SCADA was organized by department for BE electrical students from 18.7.16 to 25.7.16. This workshop has increased the hardware skill of students and opened up the carrier opportunities in automation fields.



PLC & SCADA workshop



Induction program for SE students organized by EESA



TE electrical students arranged Freshers' party on 21.8.16



TECHNOLOGY DISSEMINATION CONTEST FOR STUDENTS



Electrical engg students Krushnachaityanya, Bhagyoday Bhagat, Poonam Yadav, Participated in the technology disscimination contest for students (TDCS-16)

IEEE Computer Society Sponsored this event which was organized by : JSCOE Pune, this is student awareness program

*Theme : objective of TDCS is to use Engineering college students to disseminate information about emerging technologies among Rural and Urban high School children to create interest in them. TDCS also works as a platform for the participating college students to experiment with different modern educational tools and use their innovativeness in using the tools effectively.

*Coordinator : Tushar Mote JSCOE Hadapsar Pune

*Topics covered in short :

Phase –I of contest: College level

- Each group to give presentation on an emerging technology (Suggested list given) to students of 2 Rural and 2 Urban schools (Std VIII to Std X); Obtain confidential feedback from School authorities and Submit to their respective Colleges. College to send completion certificate to Program Convener in respect of that group: Aug, 6, 2016

- Each group to give a presentation on the same topic in their respective colleges; based on their presentation in the college and the confidential feedback obtained from the 4 schools, each college has to select two top groups and intimate to Program convener: Aug, 19, 2016.

Phase –II of contest: Inter-college level

Final selection from among all colleges (2 top groups selected by each college) to be done by IEEE Selection Committee for three Prizes. This will be held at JSPM's JSCOE,Pune in August Last week

National Conference IET, 2016



Dr. Rajesh Ingale, IEEE



Sharad Pustake, SPPU



Arun K Sinha, Ex ISRO



National level conference IEET 2016 was organised at Department of electrical engineering on 10th and 11th March 2016.

More than 150 students and 70 paper were published in the conference.

The event was organised by Ms. P.N.Gokhale Chief Guest Mr Arun K Sinha, Ex ISRO, Sharad Pustake, SPPU, Dr. Rajesh Ingale, IEEE were also present at the event



Students Achievements

Winner of Project Competition



पुणे, सोमवार, २९ फेब्रुवारी २०१६

'शॉक अब्सॉर्बर' पासून वीजनिर्मिती!

'जेएसपीएम'च्या 'टेक मंथन'मध्ये प्रकल्प; देशभरातून ९ हजार विद्यार्थ्यांचा सहभाग

पुणे शहरातील वाहनांचा अतिवापर, स्त्वावरील खडे आणि गतिरोधक यांच्यामुळे दिनेश सिरसाट याला एक अभिनव कल्पना सुचली. त्याने गाडीच्या शॉक अब्सॉर्बपासून वीजनिर्मिती करणारा प्रकल्प तयार केला. ज्या वेळी गाडीचे शॉक अब्सॉर्बर आणि सस्पेन्शन कार्यरत होते, त्या वेळी एका खास बनवलेल्या लिंकेजद्वारा 'गियर सिस्टिम'ला ऊर्जा दिली जाते. ही सिस्टिम 'डीसी डायनामो'ला गती देते. डायनामो फिल्ल्यामुळे विद्युतनिर्मिती होते. प्रत्येक वाहनाच्या बॅटरीला चार्जिंग करण्यासाठी हा प्रकल्प मदत करेल. यामाखे असंख्य कल्पक प्रकल्प 'जेएसपीएम'ने आयोजित केलेल्या 'टेक मंथन'मध्ये लक्षवेधी ठरले.

उल्लास माळवदे

पेणी करताना क्विथोने एकासारख्या फडतीने पडणे, जमिनीचा प्रकार ओळखून योग्य रासायनिक खत समप्रमाणात देणे, औषध फवारणी, दुग्ध व्यवसायासाठी आवश्यक नवे तंत्रज्ञान यामाखे अनेक विद्यार्थ्यांवर विद्यार्थ्यांनी आपले प्रकल्प सादर केले. 'कॅम्ब्रिज एज्' वापरून जास्तीतजास्त अंतर पार करणाऱ्या रॉबोटने सहभागी युवाशक्तीला आकर्षित केले. टास्कड कम्युनिसमून कमलेल्या 'हायड्रोलिक आर्म'ने कर्मातकमी श्रमात जास्तीतजास्त बजन उचलण्याचे प्रात्यक्षिक करण्यात आले. फ्लोव्हल वॉर्मिंग, इंटरनेट ऑफ थिंग्स, आटोमोशन, ई कचरा व्यवस्थापन, आगती व्यवस्थापन या विषयांवरील पोस्टर प्रदर्शित करण्यात आली.

अद्यवत शिक्षण प्रसारक मंडळाच्या हदपसर शैक्षणिक संकुलात 'टेक मंथन' हा टेबिनकल फेस्टिवल दिमाखात साजरा झाला. रॉबोट लॉचर, क्लॉस ऑफ कोडर्स, प्रसन्न मंत्रुबा, रोबो वार, लेथ कर्मा, कॉंपॅरिट व्हेर, रॉबोट सिम्युलेशन, प्रोजेक्ट प्रेझेंटेशन, पोस्टर प्रेझेंटेशन, ट्रेझर हंट अशा



हदपसर : शॉक अब्सॉर्बपासून वीजनिर्मितीच्या प्रकल्पासह संशोधक विद्यार्थी.

विविध स्पर्धांचा यात समावेश होता. देशभरातील नामांकित महाविद्यालयातील सुमारे ९००० हून अधिक विद्यार्थ्यांनी 'टेक मंथन'मध्ये सहभाग नोंदवला. डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठाचे कुलगुरू डॉ. बी. ए. चोपडे, संस्थेचे संस्थापक टी. जे. सावंत, धर्मादाय सहआयुक्त रिविकुमार डीचे, नवनाथ चव्हाण, बॉरिंग पोलिस निरीक्षक सचिन सावंत, संकुलाचे संचालक डॉ. व्ही. ए. बुगडे, डॉ. व्ही. आय. हुबंकेरी यांच्या उपस्थितीत 'टेक मंथन'चे उद्घाटन झाले.

'टेक मंथन'च्या माध्यमातून आम्हाला आमच्या संकल्पना इतर महाविद्यालयांच्या विद्यार्थ्यांपर्यंत पोचवण्यात खूपच मदत मिळाली. तसेच इतर विद्यार्थ्यांनी सादर केलेल्या प्रकल्पांमधूनसुद्धा नवीन संकल्पनांवाचतची प्रेरणा मिळाली. - दिनेश सिरसाट, विद्यार्थी

समाजोपयोगी संघी विद्यार्थ्यांना 'टेक मंथन'द्वारे मिळत आहे. 'जेएसपीएम'चे विद्यार्थी आणि शिक्षक नजीकच्या काळात शैक्षणिक उद्योगू तयार करणार आहेत. या उपग्रहाच्या निर्मिती आणि प्रक्षेपणासाठी आवश्यक असणारे सर्व घटक संस्था उपलब्ध करून देईल. उपग्रहाच्या माध्यमातून तंत्रज्ञानाची देवाणघेवाण तसेच शैक्षणिक माहितीचे आदान प्रदान करण्यास च मदत मिळेल.

- प्रा. टी. जे. सावंत, संस्थापक सचिव, जेएसपीएम

विद्यार्थ्यांनी शौकस वृत्तीचा अंगीकार करून संशोधन करण्यावर भर द्यावा. वैसायिक; साधन संपत्तीचा विविक्तक; वृत्तीने अभ्यास करून त्यामागील वैज्ञानिक संकल्पनांचा शोध घ्यावा. 'टेक मंथन' सारख्या उपक्रमांमुळे युवा पिढीला संशोधनाची गोडी लागेल. - डॉ. बी. ए. चोपडे, कुलगुरू, डॉ. आंबेडकर मराठवाडा विद्यापीठ