

## **Annual Quality Assurance Report (AQAR) of the IQAC**

**Name of the Institution : MKSSS's Cummins College of Engineering for Women**

**Year of the Report : 2011-12**

### **PART – A**

Continuing with previous years plan, Principal and Heads of Departments and IQAC members decided to pay attention to the following points for the overall quality improvement of the college.

- In view of growing interest of faculty members towards improvement of their qualifications is to be taken towards faculty development programs. Faculty members to be sponsored for higher education to get M. E. and Ph. D. Degrees, to attend various conferences / seminars / workshops and submit & present papers to International journals and conferences, to initiate consultancy activities, etc.
- From the point of view of laboratory developments, departments will prepare and submit project proposals under MODROBS / TAPTEC schemes of AICTE and similar schemes of DST.
- To implement the scheme of obtaining feedback from students about the performance of teachers and syllabus.
- To arrange lectures from experts from industry and other organizations to educate students for modern topics, which are not covered in the University curriculum.
- To provide necessary health insurance facility to all the students.
- To motivate students to participate in various sports activities.
- To provide to students career guidance and counseling for higher studies and competitive examinations.
- To take the efforts for more number of students getting placed through campus recruitment process and in-plant training.
- To motivate non-teaching staff members to improve their qualifications.
- To develop collaborative activities with industries and other organizations.
- To encourage students to participate in various extra-curricular and co-curricular activities.

- To take efforts to increase number of students securing first class. Taking the remedial measures for weaker as well as failure students.
- To conduct training for English communication skills to improve employability of students.
- Procurement of books and journals in the library.
- Planning for the alumnae meet and encouraging them for registration through web.
- Encouraging the students for entrepreneurship development activities.
- Addition of new equipment and computers.
- Conduction of community related service activity through NSS Cell and IEEE student's Chapter.

## **PART-B**

### **1. Activities reflecting the goals and objectives of the Institution:**

IQAC of our college helps in fine tuning of various activities like curricular, co-curricular and extra-curricular activity units, with the vision and mission of our institution. For achieving this, advance planning and academic calendar is prepared every year. The activities of these various units during the academic year 2011-12 in the light of our mission are as follows.

- Proposals for various activities of AICTE are prepared.
- Faculty members are encouraged for higher studies (ME and Ph. D programs).
- Faculty members are encouraged to participate in Conferences / Workshops / Seminars.
- Organization of seminars, workshops, conferences and training programs to upgrade the knowledge and skills of students and faculty members.
- To develop entrepreneurship skill among students.

### **2. New academic Programs initiated (UG and PG):**

Nil

### **3. Innovations in curricular design and transaction:**

- As usual, few faculty members participated in the curriculum development activities of Pune University.
- Most of the faculty members, being well versed with computers, internet, audio visual aids, multimedia etc., use of computers, LCD Projectors in classroom and laboratories has been adopted.

#### **4. Inter-disciplinary programs started:**

- Since the college is affiliated to the Pune University, curriculum of all the courses are designed by the University only. There is no interdisciplinary program under Pune University.

#### **5. Examination reforms implemented:**

- Results of test examinations, mock oral examinations as well as University examinations are communicated to guardians immediately after declaration of results.

#### **6. Candidates Qualified: NET / SET / GATE etc.**

- For Engineering Courses, NET / SET examinations are not necessary. To go for higher studies, 133 students appeared for GATE / GRE / TOEFL / CRT examination.

#### **7. Initiative towards Faculty Development Programs:**

- Evaluation of teachers' performance was carried out through feedback collected from students as well as through self-appraisal.
- This year, our faculty members have attended 139 conferences / workshops / seminars / STTP programs.
- One patent has been filed by our faculty member, this year.
- Faculty members have published 19 papers in Journals and 37 papers in conferences.
- 8 faculty members have registered for M. Tech programs and 13 faculty members registered for Ph. D. programs.

#### **8. Total number of seminars / workshops conducted/ Organized :**

- 13 seminars / workshops were organized by the college.

#### **9. Research projects a) Newly implemented : 01**

- A project on 'Design and development of a special purpose antenna for defense applications' is being implemented. This project has been sanctioned by DRDO.

**b) Completed : nil**

#### **10. Patents generated, if any.**

One patent has been filed by Prof. Mrs. Malini Bapat.

**11. New collaborative research programs:**

- New collaborative programs with Ericsson, IBM, Eaton and Deakin Univ. Australia.

**12. Research Grants received from AICTE / Pune University:**

- A grant of Rs. 2.3 lacs has been received from Pune University, for projects under BCUD grants.

**13. Details of research scholars:**

- Nil

**14. Citation index of Journals faculty members and impact factor of Papers:**

- Data not available.

**15. Honors / Awards to the faculty:**

- Prof. Mrs. Anagha Panditrao received Ph. D. from Pune University. For her research work, and she received "Appreciation Award" from "Cummins India Ltd:
- Prof. Mrs. Maitre Neeta received "Innovative Paper Award" jointly from Y.C.C.E. Nagpur and Hartford University, USA.
- Dr. V. S. Athalye has been honored as a 'Visiting Scientist' in the area of 'Quantum Computing' in University of Waterloo, Canada.

**16. Internal resources generated:**

- The College solely depends on the tuition fees received from students. This is the only source of revenue.

**17. Details of departments getting SAP, COSIST, (ASSIST) DST, FIST, etc. assistance / recognition:**

- Grant-in-aid of Rs. 4.5 lacs received from AICTE under MODROBS scheme for "The Development and Up-gradation of Distributed Embedded Systems Lab"

**18. Community services:**

- Book donation for the School at village Kalyan on 14<sup>th</sup> Sept.2011.
- Engineer's day celebration on 15<sup>th</sup> sept.2011.
- Visit to 'APLA GHAR' anath ashram and vrudhashram on 17<sup>th</sup> Sept.2011.
- Lecture on Traffic Rules on safe driving by Mr. Ajit Joshi from Forbes Marshal & PUC checking of vehicles at concessional rate on 29<sup>th</sup> sept.2011.
- Visit to 'Aadivasi Ashram Shala, Kamshet' on 03<sup>rd</sup> Oct.2011.

- A lecture session was conducted by Mrs. Kelkar on child adaptation on 04<sup>th</sup> Oct.2011.
- Blood Donation Camp: It was held on 10<sup>th</sup> Oct. 2011.Students and staff donated the blood to Jankalyan Raktpedhi, Pune.
- NSS volunteers worked as readers & writers for blind students for their Midsemester examination.
- Students attended University level seminar on Health Awareness at Siddhivinayak College of Arts & Commerce, Pune on 01<sup>st</sup> Feb. 2012
- Donation of science lab equipment to school at village Kalyan on 8<sup>th</sup> Feb.2012.
- Sessions were conducted for the subjects Science and English for the students of std X and VIII at Kalyan village on 10<sup>th</sup> Feb.2012.
- Blood Donation Camp: It was held on 21<sup>st</sup> & 22<sup>nd</sup> Feb.2012.Students and staff donated the blood to Jankalyan Raktpedhi, Pune.
- Swachhata : Volunteers cleaned Grampanchayat office area and area near two temples on 11<sup>th</sup> Jan.2012.
- xiv)Medical Camp (Arogya Shibir) held on 11<sup>th</sup> Jan.2012. Health checkup of children below 12 years was done by Dr. Navrange & Dr.Karandikar.
- xv)Tree Plantation: Total of 40 trees like Mango and Ashoka were planted near Grampanchayat office, School campus, Pashu Vaidyakiya Rugnalaya on 12<sup>th</sup> Jan.2011.
- Educational programs were conducted for school students of 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup> Standards.
  - a. For 8<sup>th</sup> and 9<sup>th</sup> std. lecture on study techniques was conducted by the volunteers.
  - b. The 10<sup>th</sup> std students were guided on the various career options available after 10<sup>th</sup> std.
  - c. Prof. Soman conducted session on importance of hobby in one's life. He explained how to convert hobby into a career also exhibited his collection from various newspapers regarding of Indian festivals, stories of 'Dashavtar & Chiranjiv' etc.
  - d. NSS Volunteers taught origami (making of different types of paper toys like balloon, flowers etc.).
  - e. For 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup>std students the competition of making Collage drawing was conducted and prizes were distributed in each class for first two winners during valedictory function.
- Visit to Brick Kiln (Vit Bhatti) on 13<sup>th</sup> Jan.2012. The manger explained the stepwise procedure of production.
- Trekking to Sinhagad fort: Mr. Soman explained the importance of Sinhagad fort before and after the Shivaji reign on 14<sup>th</sup> Jan.2012.
- Visit to poultry farm on 14<sup>th</sup> Jan.2012: Students studied agricultural aspect behind raising of birds.

- Students worked in the farm and picked plants of Black Peas (Kala Vatana) also ploughed in the farm with the help of Ox and farming equipments on 15<sup>th</sup> Jan.2012.
- Visit to Bio-Gas Production Plant on 15<sup>th</sup> Jan.2012.
- Function of Haldi Kumkum was organized for women from Kalyan on occasion of Makarsankranti 15<sup>th</sup> Jan.2012.
- Visit to milk dairy on 16<sup>th</sup> Jan.2012. Students got information regarding milk fat tester and various electronic equipments used in dairy.
- Mr. Mote (NSS Area Coordinator) conducted session for NSS volunteers also conducted some games. He gave on the spot topics for street plays and they were performed before the valedictory function on 16<sup>th</sup> Jan.2012.
- Our college has adopted village Kalyan, Tal. Haweli just 35 kms. away from Pune. We conducted the special residential camp of 7 days at Kalyan from 10<sup>th</sup> Jan to 16<sup>th</sup> Jan 2011. 21 students attended the camp. Various activities were conducted in the camp for seven days.
- In addition to NSS activity, another activity was organized for blind students. Students from S.E. and T.E. E & TC worked as readers and writers for the Blind Students from the MKSSS's Mahilashram High School for their midterm exams from 22<sup>nd</sup> Oct. 2010 to 27<sup>th</sup> Nov. 2010.
- A seminar on Traffic Rules was organized. 48 students attended it. 40 vehicles were checked for PUC.

#### **19. Teachers and officers newly recruited:**

- 27 teachers are newly recruited on regular basis.

#### **20. Teaching – Non-teaching staff ratio:**

- 145 : 155 i. e. 1 : 1.06

#### **21. Improvements in the library services:**

- Science-direct e-journals are subscribed.
- Access Engineering e-books are made available to students and faculty
- Content / abstract / summary of accession books are made available on computer through library OPAC.
- Alert service of books through e-mail to teaching staff has been started.
- Issuing of reference books to teaching staff between Friday and Monday has been started.
- Issuing of CDs to students has been started.
- Books borrowing limit of M.E. students is increased from three to five.
- Book Bank scheme is started for T.E. Instrumentation & Control students.
- Overnight issuing of reference books to students is started.
- 10 library staff members attended workshops / seminars.

**22. New books / journals subscribed and their value:**

- Books 2897 --- Rs. 19,49,103/-
- Journals --- Rs. 3,26,562/-
- (a) International classification and computerized access to books (b) Induction program for new students to introduce library system and its usage. (c) Top 20 borrowers scheme in which top 10 borrowers are given extra borrowing book facility. (d) Online journals access to students & staff. (e) Access to **NPTEL** Video lecture series.

**23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:**

- The college has established a mechanism to get the students' feedback about the performance of teachers, every semester. This is done through a questionnaire, answered by students. To maintain the confidentiality, the feedback form does not contain name / roll number of the student.

**24. Unit cost of education:**

- (Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary Component = Rs.84502/-

(b) Excluding the salary component = Rs.32038/-

**25. Computerization of administration and the process of admissions and examination results, issue of certificates:**

- Computerized administration processes are already in use.
- We have Zoom Software for examination section and accounts section. We also have in-house developed payroll software.

**26. Increase in the infrastructural facilities:**

Expenditures towards infrastructure facilities for different departments are as under.

Amounts in Rs. Lacs.					
Dept	E & Tc	Computer Engineering	Information Technology	Instru-mentation	Mech. Engg
	26.00	7.32	6.64	14.71	10.19

Total – Rs. 64.86 Lacs.

## **27. Technology Up-gradation :**

- For technology up-gradation we have now connected to our head office through Wi-Fi for ease of communication (approximately 700 mtr distance). We also have upgraded the access points of the hostels. There is centralized Matlab server and 137 clients are communicating to this server. We have up-graded storage capacity to 9TB. Every user has 1 GB storage which is centrally available on this server. Our college had purchased paper license software for Windows server.

## **28. Computer and internet access and training to teachers and students:**

- We have 12 Mbps leased line with fiber optic connectivity. In addition, we have 2 Mbps leased line as a back-up.
- Computer and internet access is provided to teachers and students. A secured wi-fi facility is also provided in hostel and in the building of Mechanical Engineering Department.

## **29. Financial aid to students:**

- |   |     |               |
|---|-----|---------------|
| • Financial support to students 2011-12 (23 students)       | Rs. | 3,60,000/-    |
| • Endowments (EBC students through Govt, 141 students)      | Rs. | 51,06,158/-   |
| • Scholarship from Management (66 needy students)           | Rs. | 1,83,152/-    |
| • Scholarship from Central Govt. (118 students)             | Rs. | 10,000/-      |
| • Scholarship to minority students from Govt. (30 students) | Rs. | 25,000/-      |
| • National merit scholarships (4 students)                  | Rs. | 14,000/-      |
| • SC / ST / VJNT / SBC / OBC scholarships (268 students)    | Rs. | 1,59,26,111/- |
| • ----- freeships (421 students )                           | Rs. | 2,35,42,967/- |

## **30. Support from the Alumni Association and its activities:**

- Cummins College was pleased to invite all the Alumnae for Alumnae meet arranged on 22<sup>nd</sup> Jan, 2012. Venue of the meet was Cummins College Open Air Auditorium. Alumnae Meet was the grand success this year too. All the Alumnae were able to meet their friends, interact with their juniors and with their staff members. We were also keen to hear the achievements in various fields and their success stories about our Alumnae and were proud to hear about them. There were program scheduled for the Alumnae like entertainment programs, experience sharing program etc. Dinner was also arranged for all the members present for that function.

## **31. Support from parent-teacher Association and it's Activities:**

- There is no formal parent teacher association, however, a feedback from parents is collected occasionally in the prescribed format, analyzed and used for further development.



### 32. Health services:

- Lady medical practitioner is available on the campus for 24 hours.
- The college has established a tie-up with Deenanath Mangeshkar Hospital for concessional treatment to all the employees and students.
- A health club / Modern Gym. Facility is made available in the campus to all the students.

### 33. Performance in Sports activities:

- 260 students participated in various sports activities and won prizes.
- Our students are winners of table-tennis tournament in Pune City Zone, won second place in volleyball, won in third place in football & handball, won in Basketball, khokho in second place and runner-up for lawn tennis.
- At Pune University level, our students won second place in volleyball and swimming and they were winners for table tennis and basketball, football third place, khokho runner-up and third place in handball.

### 34. Incentives, offered by college to outstanding sports persons (2011-12):

S.N.	Name of National / Zonal Player	Game	Prize Money, Rs.	Position
1	Pooja Keskar	Football	2350/-*	Murthy Award
2	Divya Kadam	Volleyball	1000	Pune City Zone
3	Swati Yesane	Volleyball	1000	Pune City Zone
4	Rujuta Marathe	Volleyball	1000	Pune City Zone
5	Ketki Hinge	Basketball	1000	Pune City Zone
6	Swarada Kshirsagar	Basketball	1000	Pune City Zone
7	Gauri Patil	Basketball	1000	Pune City Zone
8	Ishwari Chitnis	Basketball	1000	Pune City Zone
9	Pooja Keskar	Football	1000	Pune City Zone
10	Diksha Raina	Football	1000	Pune City Zone
11	Chaitali Bodke	Handball	1000	Pune City Zone, Senior National
12	Supriya Bhide	Kho-kho	1000	Pune City Zone
13	Swati Yesane	Kho-kho	1000	Pune City Zone
14	Ritu Oak	Lawn-Tennis	1000	Pune City Zone
15	Chaitra Kanhere	Swimming	1400	Pune City Zone

16	Swarada Kshirsagar-Captain	Basketball	4800	University Winners
17	Poorva Kuber, Khusbu Khatri	Table-Tennis	1200	University Winners thrice
18	DivyaKadam-Captain	Volleyball	3600	University second place
19	Supriya Bhide-Captain	Kho-kho	3600	University second place
20	Pooja Keskar-Captain	Football	3200	University third place
21	Chaitali Bodke-Captain	Handball	1800	University third place
		Total	42,600/-	

- Award, instituted by Infosys Foundation, as "Murty Award".

### 35. Student achievements and awards:

- Passing percentages of final year students (2010-11)

	B.E. E & Tc	B.E. Comp	B. E. Instru	B.E. Info. Tech	B. E. Mech
Passed	95.86 %	94.44 %	95.59 %	91.78 %	89.23 %
With First class	39.31 %	43.75 %	25.00 %	43.84 %	47.69 %
First class With Distinction	41.38 %	28.47 %	69.12 %	27.40 %	33.85 %

- Rank holders (top 10) in the University Examinations --- 05

### Co-Curricular Activities

- Departments details about co-curricular activities are as under.

#### E & Tc Department

Papers Presented	15
Project Competitions	18
Workshop/Seminar Attended	75

#### Computer Engineering Department

Name	Class	Event Name	Awards won
Samhita kulkarni.	T.E. Comp	Project Competition By KPIT	Participation (Selected Out of 23)
Sharayu Gandhi.	T.E. Comp	Paper presentation (IIT-Delhi Tryst 12)	participation (Final round)
Radhika Sasawade	S.E. Comp	EATON Project Competition	First prize

Dept. of Information Technology

1. Pranoti Madur, Pragati Marghade, Amruta Pawar and Monika Papat. This project won 'Second Prize' in project idea presentation of IBM's celebration of women in technology
2. Prajakta Pednekar and Monika Papat final year students won the 'First prize' in UML challenge conducted by (TESLA 2011 MITCOE )
3. Sejal Shinde Aparna Radhkrishnan Preeti Karmarkar Shreya Sinha Janvi Mutha Sneha Mohite Madhura Yerawar Apurva Dange Aditi Chadha Got an Internship from Ethical Hacking workshop arranged by IT department
4. Ethical Hacking Workshop Organized by Iti Zha and Harsha Choudhary Held on 30th and 31st July,2011.
5. Website Making Workshop Conducted Held on 29th, 30th October and 5th6th November,2011.
6. Most of the Third Year IT class Attended IET Mini-Project Competition
7. Second Year IT class Arranged IET Mini-Project Competition
8. Shweta Sareen a final year student got selected for Cummins fellowship program for Purdue University

Dept. of Instrumentation & Control

Sr. no	Name	Topic	Event name Organizing Institute	Level	Prize
1.	Smitha Pinto (M.E.)	Lifting Based Wavelet Transform Architecture for JPEG 2000	Futurizm'12, College of Engineering Manjari,Pune	National	Presented
2.	Archana Kesti (M.E)	A Robust Approach for ECG Signal Compression using Wavelet Transform	Futurizm'12, College of Engineering Manjari,Pune	National	Presented
3.	Aarti Suryawanshi (M.E)	Urine Flow Rate Measurement Based on Volumetric Pressure measurement	ISPTS- 1 International Syposium on Physics and Technology of Sensors	International	Presented
4.	Aarti Suryawanshi (M.E)	Measurement of Flow Rate using Pressure Sensor and Microcontroller	National Conference on 'Nanotechnology and its Applications in Electronics Engineering' CSIR,IETE,Manjari, Pune	National	Presented

5.	Rutuja Laulkar (M.E)	Acquisition of Photoplethysmographic Signal for Diagnosis of parameters of Heart	ISPTS- 1 International Syposium on Physics and Technology of Sensors,Pune	Internati onal	Presented
6.	Rajashree Pinputkar (M.E)	MRI Segmentation Of Brain Tissue Using K-Means Clustering	Futurizm'12, College of Engineering Manjari,Pune	National	Presented
7.	Prachi Mantri	Linear and Non-Linear Techniques for X-Ray Image Enhancement	Futurizm'12, College of Engineering Manjari,Pune	National	Presented
8.	Priti Bora	Exoskeleton for Human Performance Augmentation-Passive Design	Innovation 2K12,CCOEW	National	Second Prize
9.	Mrunmayee Unawane Apurva Shintre	Nanotech and MEMS	Innovation 2K12,CCOEW	National	Second Prize
10.	Priti Bora	Exoskeleton for Human Performance Augmentation-Active Design	Solutions 2012, AIT	National	Presented
11.	Priti Bora	Exoskeleton for Human Performance Augmentation-Passive Design	Mind Spark, COEP,Pune	National	Presented
12.	Tanvi Shah	Use of solar energy for making micro-solar cells	Technosphinx, CCOEW ,IEEE	National	Presented
13.	Kalyani Darade	Digital jewellery	Credenz'11 PICT, IEEE	National	Presented
14.	Mrunal Mone	Robotus and Control	Dr. Babasaheb Ambedkar Technological University, Lonere	National	Presented
15.	Kriti Gholap	Computer Aided Control System Data Acquisition System	Dr. Babasaheb Ambedkar Technological University, Lonere	National	Presented

14	Neha Mutha, Gauri Gaikwad	Paper colour transmitter	INNOVATION 2K12, CCOEW, Pune	National	Presented
15	Manjari Purohit	Cardiovascular system modelling	International conference on Instrumentation, 2012, Chennai	National	Presented

### **Extra Curricular Activities**

#### E & Tc Department

Number of students participated

Sports	28
Cultural	100

#### Computer Engg. Department

Name	Class	Event Name	Awards won
Aher Shweta	T.E. Comp	Purshuttam karndak (Bhagirath karndak)	winners
Bramhankar Neha	T.E. Comp	Purshuttam karndak (Bhagirath karndak)	winners

#### Department of Mechanical Engineering

Sr. No	Name of the student	Activity	Achievement
1	Madhura Paranjpe (BE)	Firodia Karandak	Best classical dancer
2	Apporva Bardapurkar (TE)	Firodia Karandak & Prrshottam Karandak	Team Member
3	Ketki (SE)	Firodia Karandak	Team Member
4	Ishita Mukharji (SE)	Firodia Karandak	Team Member
5	Amruta Lakhe ( BE)	Firodia Karandak & Prrshottam Karandak	Team Member
6	Amrapali Mahajan (BE)	Firodia Karandak & Purshottam Karandak	Team Member
7	Team of 15 students of BE Mechanical	National Level Fashion Show at Symbiosis Lavle	1 <sup>st</sup> Prize
8	Akansha Naryan	National Level Fashion Show at Symbiosis Lavle	Best Choreographer

9	Akansha Naryan	Channel V India fest ( Fashion Show)	Participation
10	Tanvi Umarje	National Level Fashion Show at Symbiosis Lavle	Best Model

Department of Information Technology

Jasmine Irani, Third Year IT Engineering student who has extraordinary abilities in western classical music. She is an accomplished pianist, having passed her 8th Grade which is the highest diploma grade as a per-former in Solo Piano from the Trinity College of Music, London. She has stood first in Pune district in Grade 6 Solo Piano Exam in 2005. She also plays on the Pipe Organ which requires specialized skill. She has a flair for training choirs and conducting a group of singers to sing in harmony.

Dept. of Instrumentation and Control

<b>Sr.No.</b>	<b>Name</b>	<b>Event Details</b>	<b>Organizing Institute</b>	<b>Prize</b>
1.	Manasi Rikibe	Purshottam Karandak 2011	Maharashtriya Kalopasak	Participation
2.	Kshitija Shevgaovkar	Purshottam Karandak 2011	Maharashtriya Kalopasak	Participation
3.	Aishwarya Chaporkar	Indian Student Parliament-2012	MAEER's MIT School of Government	Participation

**Cultural Activities of all the Departments**

<b>Sr No .</b>	<b>Title/Subject</b>	<b>Event Organized/participated</b>	<b>Duration Date</b>	<b>No of Students Participated</b>	<b>Awards</b>	<b>Remarks</b>
1	Purushottam Karandak	Participated	25 <sup>th</sup> Aug 11	22	I. Won Bhagirath Karandak  II. acting awards	For the best organized team among all the participated teams  1)Siddhi Gupte 2) Anuja Dongaonkar
2	Art exhibition	Organized	September 2011	100		Art exhibits of students and staff were put up.
3	Acting workshop	Organized	July 2011	22		Conducted by theater personality mr Mandar Kulkarni
04	Firodiya Karandak'	participated	14 Feb	25	Sculpture  Instrumental( Drum)  Singing  Painting	Manasi Rakibe won 2 <sup>nd</sup> prize. Gauri Kelkar won 1 <sup>st</sup> prize .  Gayatri Chiplunkar  Vaishnavi Deshpande

					Costume	Firodiya team
5	Cultural event on Allumni meet	Organized	Jan 2012	Dr Dhananjay Daidhankar and Mr Ramdas Palsule	Instrumental	Jointly organized by Spic macay and artcircle of ccoew
6	Team Building Workshop	Organized	Jan 2012	Shri Mandar Kulkarni		For Firodiya Karandak

### **36. Activities of the Guidance and Counseling unit:**

- Students who do not pass the written tests and interviews during the campus recruitment are counseled by experts and faculty members.
- The training and placement cell provides guidance for examinations such as GATE, GRE, TOEFL, CAT, CET and other competitive examinations.

### **37. Placement services provided to students:**

- The college has separate Training & Placement Cell with full time Training & Placement Officer and a Clerk. The Cell provides training in communication skills, interview technique, group discussions etc. Number of students placed through campus recruitments is 270 out of 420.
- A separate Training and Placement office adjacent to conference hall has been provided, with internet facility and with separate cabins for conducting interviews, counseling etc. The conference hall is used by the interview committees for initial address.
- Students who do not pass the written test and interviews during the campus recruitment are guided by Faculty, TPO, subject experts and HR Managers.
- Guest Session on 'how to appear for the interview' was arranged.
- Students were evaluated on their performance in Written Test, GD, Interview and were counseled one to one on the steps they should undertake to improve their performance in Written Test, GD, Personal Interview & Technical Interview.
- Bio data of all the students are individually checked and students are helped in preparing for the personal interview on one to one basis.



Number of students placed during 2011-12 are as under:

<b>Branch</b>	<b>No. of student /branch</b>	<b>Students Placed /branch</b>	<b>Current % Students Placed</b>
E & Tc	120	68	56.06
Instrumentation and Control	60	29	48.33
Mechanical	60	35	58.33
Computer Engg	120	100	83
IT	60	38	63.33
Total	420	270	64.28

### **38. Development programs for non-teaching staff:**

- 35 supporting staff members have undergone training in Personality Development, English conversation, computer operation.

### **39. Best practices of the institution:**

- Open access for books, journals, periodicals, free internet access to the staff and students in the library. Provision of common computer center, laboratories and staff rooms.
- Promoting research projects in small groups for UG / PG students.
- Computerization of library and provision of digital library for efficient and fast access of library resources for e-books, online journals, NPTEL video lecture series, etc.
- Excellent indoor and outdoor sports facilities, ground and gymnasium. Sports and cultural activities encouraged among the students.
- Internet facility and e-library resources provided to the students for their academic development.
- Students support services provided in the form of both financial and academic initiatives.
- Institution has a placement cell which takes care of students, industrial training and overall development.
- Students encouraged to go for higher study and competitive examination.
- Students are encouraged to do social work through NSS Cell, IEEE Students' Chapter with through various NGOs.
- Various academic, administrative, co-curricular and extracurricular committees formed for effective working of the institution.
- Funds provided to the faculty to attend seminars, workshops and paper presentations.
- Multimedia classrooms are developed in each department with LCD projectors, public address system and internet for effective delivery of syllabus contents.
- Virtual classroom facility along with video conferencing facility is developed with ultra modern aids having high speed internet, leased lines and uninterrupted power supply.

#### **40. Linkages developed with National / International, academic / Research bodies:**

- **Cummins India Ltd (CIL):** continued to support the college in various departmental activities.
- **KPIT-Cummins Ltd:** In 2010, the Institution has signed Mou with "KPIT-Cummins Ltd", to have facilities in the areas of teaching, training and research for the departments (i) Electronics Telecommunication (ii) Computer Engineering and (iii) Information Technology.
- **Persistent Systems Ltd:** In 2009, the College has signed MoU with Persistent Systems Ltd. & further continued to collaborate in undertaking projects and activities related to teaching, training and research in the fields of Computer Engineering and Information Technology.
- **Eaton and CII :** M/s Eaton and Confederation of Indian Industries have jointly agreed to conduct sessions to train students in Soft skills and English communication. In 2011-12, 90 students received this training. This program is named as 'Garnishing Talent'.
- **Ericsson Ltd :** To our students of 'Electronics & Telecommunication', Ericsson imparts online training in Mobile Communication. After training, students undergo the certification examination. For this examination, passing percentage is 75. So far, 200 students are trained in last three batches.
- **IBM :** A program called "Shared University Research" (SUR) is a worldwide equipment award program designed to promote research in areas of mutual value and interest to IBM and Universities.

Under this program IBM office has initiated a proposal to include "Cummins College of Engineering for Women" for this award. This proposal will be a part of an extension to I. I. T. Mumbai led 'SUR' 2011 cloud contributory for conducting research on 'Virtualization & Cloud Computing'.

#### **41. Any other relevant information the institution wishes to add:**

- Every department, every year, declares name of a student as “Best Outgoing Student”.
- For final year students “Best Project Award” is instituted in every department.
- Students are encouraged to present technical papers in various seminars / conferences and awards are given to “best papers”.
- Awards in the form of Gold Medals are instituted for students showing best overall performance in University Examinations of Second, Third and Final years.
- Murty Gold Medal award is instituted for a student showing best performance in various sports events.
- All the points stated above, develop conducive atmosphere for learning.

#### **PART – C**

Plans of the institution for the next year.

- To encourage faculty members to write various research project proposals to various funding agencies and consultancy work.
- To strengthen industry – institution interaction and collaborations with academia and research organization.
- To apply for research center and permanent affiliation.
- To encourage faculty members to undergo quality improvement program.
- To plan for collaborative research and networking with other institution in India and abroad.
- To plan for interdepartmental interaction for research activities.
- To conduct more community activities and student development activities.
- Budget allocation for the infrastructural facilities such as procurement of laboratory equipment and laboratory development, research & development and technical activities under signature projects.
- To install CCTV security system.

Prof. Dr. V.V. Todkar  
Co-ordinator  
Internal Quality Assurance Cell

Prof. Dr. M.B. Khambete  
Chairperson  
Internal Quality Assurance Cell

To  
Dr. B. S. Madhukar  
Dy. Advisor  
National Assessment and Accreditation Council  
P. Box No. 1075, Nagarbhavi  
Bangalore 560072.

11 July 2012

Sub : AQAR for the academic year 2011-12.

Dear Dr. Madhukar

Please find enclosed the AQAR report of our college for the academic year 2011-12 (July 2011 to June 2012).

With best wishes and kind regards,

Sincerely,

Dr. (Mrs) Madhuri Khambete.  
Principal