



JAYA ENGINEERING COLLEGE
Thiruninravur, Chennai 602024
Department of Mechanical Engineering

18.04.2012

1. M.E. CAD/CAM PG programme in Mechanical – started in the year 2010.
2. Department is teamed up with 4 faculty who have more than 10 years experience in Industries
Prof. G.Subramanian, Prof.V.Palvannan, Mr.P.Muthuraman, Mr.N.Balaji
3. Mechanical Staff achieved more than 90% results in Engineering Graphics for I year in 2011.
4. 94% of the final year students passed all their papers in April 2011 and qualified for receiving their degree.
5. First patent from Jaya Engineering College “Hybrid Bike” as filed through Centre for Intellectual Property Rights, College of Engineering – Guindy, Anna University.

This project work also won Prize in Project exhibition event – Pinnacle 2011, CEG Guindy

Stair climb robot won 2nd prize in J’Exhibits

6. Prof.V.palvannan has published 2 National conference papers and presented papers in 3 International conferences and won best paper award for Mechanical Engineering in EGS Pillay Engg College in collaboration with AICHI Institute(Toyota) of Japan.
7. MOU with Internationally reputed University “Chanbuk University” , Korea
Especially for Mechanical Engineering Joint work
8. MOU with Industries
CADD centre, CAD/CAM solutions Chennai.
9. Industrial Visits to TN & other states (Andhra Pradesh, Karnataka, etc).
Ashok Leyland, AP
North Chennai Power Station, TN
Atomic Research centre MAPS, Kalpakkam, TN
Vimal Industries, Irunkattukottai, Sriperumpudur.
10. Thrust on GATE exam
Two students have cleared GATE 2012
11. Students go for higher studies abroad and reputed national level institutions
University of Ireland, UK
University of Toronto, Canada
Singapore National University
Petroleum Institute, Dehra Dun
Anna University, Chennai
CEG, Anna University
PSG Institute, Coimbatore
12. Conferences Workshops /
Renewable Energy Exhibition

SAE Club Inauguration Prof. Dr. V.Ganesan / IC Engines from IIT Madras
 Aero modeling exhibition jointly with Aeronautical Dept.
 Ingenium '12 Two eminent scientists from CSIR and two faculty from IITM
 Delivered special lectures and more than 50 colleges from all over India participated.

S.No	Title	Year	Venue	Chief Guest
1	RENEWABLE ENERGY EXHIBITION 2006	2006	Albert Einstein Auditorium	Dr.Soundarrajan /OTEC Mr.Verghese / Vestas
2	MECHADROIT 2008	2008	Albert Einstein Auditorium	Dr.USP.Shet / IITM Dr.L.Vijayaraghavan / IITM Mrs.Usha Rani, Brakes India
3	SOFTWARE WORKSHOP 2009	2009	Albert Einstein Auditorium	Mr.Suresh / CADDcentre, Avadi
4	YANTRA SHASTRA	2010	Albert Einstein Auditorium	Mr.Manila chelvan,ND, Vimal Industries
5	INGENIUM' 12	2012	Albert Einstein Auditorium	Dr.P.Shanmugam & Er.P.Kanthasamy from CSIR Dr.Manivannan & Dr.Asish kumar Sen from IITM

13. Tecknow 2011 Award – the only award from whole Jaya group was bagged by Department of Mechanical Engineering for Composite polymer Interpetrating network. By Mr.Gobibel team This event was organized jointly by Anna University and All India Manufacturers association

14. Produced Anna University rankers (S.Ramprasad, Chandrasekar, Ganesan;

15. best ISTE student member award for 2008 (B.Prabu)

16. Co-curricular activities

Students are encouraged to papricipate in events conducted by other reputed institutions like

Kurukshetra IIT Madras
 Velammal Engg College
 SA Engg College
 Sathyabama University
 College of Engg, Guindy
 Dhanalakshmi Srinivasan Engg college
 Sakthi Engg college
 Sri Nandhanm college of Engg and technology
 B.S.Abdul Rahman University
 Sairam Engg College
 Amirtha University – Aroka'12

Students are also encouraged to organize events through a exclusive Students' Forum
 Symposiums, conferences
 Machining competition, Quiz, seminars, Design Contest, Paper presentation

17.Sports

Continuously for the past 2 years 'Dept of Mechanical Engineering' achieved the "Overall sports Championship for man"

18. Placement in reputed companies this year

Infosys 5 students - 5

software technologies - 3

19. More than 90% of experienced faculty retention for 2012 in Jaya Engineering College -Mech.

20.Bio fuel testing facility is being setup for improving national economy in Mech Engg Dept.

ADDITIONAL INFORMATION IF REQUIRED
ANNEXURE

MECHANICAL Professional societies/ chapters and organizing engineering events

S.No	Title	Year	Venue	Chief Guest
1	Society of Automobile Engineers club	2005 to 2008	JEC	Dr.SK Das ,Dr.V.Ganesan,IIT Mr.Naresh Iyer / Rane Dr.Velraj / Anna Univ, CEG
2	ISTE Chapters	2006 to 2008	JEC	Common to All branches Mr.B.Prabu, Best ISTE student member
3	Renewable energy club	2007	JEC	Mr.Sundarajan / CSIR Mr.Jacob / Vestas wind mills
4	JAME STUDENTS FORUM	2009	JEC	Mr.M.Sachithanandam / Ashok Leyland Mr.GR.Ravishankar / Ultratech

STUDENT PARTICIPATION

S.No	Number/Name of Students Participated	Event Name	Award/ Recognition	Name of the institute conducted the event
1	160	Mechadroit'08	Participated	
2	131	Solid Works 2008-09	Participated	CADD centre, Chennai
3	34	Non Destructive Testing and Welding	Participated	Advance Welding NDT Institute, Gerugambakkam
4	67	Nx-CAM, Nx-Tran	Participated	Mechanical Department in association with: Empower, Consultancy Services, Chennai
5	60	English Language Training	Participated	English Dept, JEC
6	66	Soft skills Development	Participated	RIPE, Chennai
7	35	Advanced Manufacturing	Participated	Prof.Dr.Ronald Lim From NTU, Singapore
8	Mr. Nithin Athreya	TDCA II Division League Cricket match	5/34	The Thiruvallur District Cricket Association
9	Mr. P.Santhosh Kumar	Emerging Trends in Bio Physics	First	Jaya Engineering College, Chennai
10	Mr. P.Santhosh Kumar	Crescience'09	Participated	B.S. Abdur Rahman University
11	Mr. P.Santhosh Kumar	Mexplosion'09	Participated	Sri Nandhanam College of Engineering and

				Technology, Chennai
12	Mr.S.Kathikeyan	Anna University sports board	Runners	Sri Ram Engg. College, Chennai
13	Mr.Ashok	Intercollege exhibition 07	2 nd prize	Jaya Engineering College
14	Mr.Md Javid Khan	JEXHIBITZ '08	3 rd prize	Jaya Engineering College
15	Mr.Suhas P.R	Mathomania(QUIZ)	1 st prize	Jaya Engineering College
14	Mr.Suhas P.R	Eureka	4 th prize	Sai Ram Engineering College
15	Mr. Suhas P.R	Airtel super singer	Won in zonals and participated in the main auditions	Vijay T.V
16	Mr. Suhas P.R	Essay writing	1 st prize in district	Thiruvalluvar District Association
17	Mr.Suhas P.R	Represented college in an International level speech competition	Participated	Hiyoshi Corporation(Japanese Organisation)
18	Mr. Suhas P.R	Robotics competition	Got selected among the top 10 models	Kurukshetra (Anna University)
19	Mr. Suhas P.R	Jexhibit'08	Participated	Jaya Engineering College
20	Mr . Suhas P.R	Science talent exam (all India level)	Meritorious	Velammal Institutions
21	Mr . Suhas P.R	Speech competition	1 st prize	D.A.V Group of Schools
22	Mr . Suhas P.R	Street play	1 st prize	D.A.V Group of Schools
23	Mr . Suhas P.R	Robotics	Participated	Sai Ram Institutions
24	Mr. Vinoth kumar . M	Jetfest '09	2 nd prize	Jaya institutions
25	Mr. Vnothkumar . M	Milan ' 09	Participated	SRM University
26	Mr. Vnothkumar . M	Sakala kala kallori	Participated	Jaya T V
27	35	Design Competition	3 rd Place	JEC, Anna University affiliated colleges
28	75	Surprise Event	2 nd & 3 rd prize	-do-
29	80	Treasure Hunt	2 nd & 3 rd prize	-do-
30	67	RAWZWAR	2 nd & 3 rd prize	-do-
31	76	Tech Quiz	2 nd & 3 rd prize	-do-
32	25	Paper Presentation	2 nd & 3 rd prize	-do-
33	45	Machining Contest	2 nd & 3 rd prize	-do-

34	43	AD-Zap	2 nd & 3 rd prize	-do-
35	Mr . Vinothkumar .M	Dance	Participated	Chinmaya Missions
36	1	Hockey Zonal	1 st Place	-do-
37	3	Cricket Zonal	4 th Place	-do-
38	6	Basket Ball	4 th Place	-do-
39	3	Kabadi Zonal	1 st Place	-do-
40	5	Foot Ball Zonal	4 st Place	-do-
41	1	Badminton Zonal	2 nd Place	-do-
42	1	Athlete 200m Inter-zonal	1 st Place	-do-
43	4	Athlete 4x100m Zonal	2 nd Place	-do-
44	1	Shuttle Zonal	3 rd Place	-do-
45	1	Body Building – Chennai	2 nd Junior	-do-
46	Mr.B.Prabu	ISTE students' chapter	Best student	AU colleges
47	Gopinath.K.S Ramanathan.V Sri Rangarajan .V.K	AD-ZAP	1 st Prize (Trophy & Cash Prize)	SATHYABHAMA UNIVERSITY

GUEST LECTURES

Title	Offered by	Level	Duration	No of candi dates
Advanced Manufacturing	Prof.Dr.Ronald Lim From NTU, Singapore	National Level	2 days (March 2009)	35
Soft skills Development	RIPE, Chennai	Intra Dept	1 month (August-September 2008)	66
Mechadroit'08	Intercollege Symposium	National Level	2 days	160
Solid Works 2008-09	CADD centre, Chennai	State Level	2 workshops- Each 2 weeks duration (Oct. 2008)	131
Non Destructive Testing and Welding	Advance Welding NDT Institute, Gerugambakkam	Degree level	1 week (July2007)	34
English Language Training	English Dept, JEC	Degree level	1 semester (July-December 2007)	60
Nx-CAM,	Mechanical Department	National	3 weeks (January-	67

Nx-Tran	in association with: Empower, Consultancy Services, Chennai	level	Februry2006)	
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SPECIAL TIE-UP

Already, JEC has MOU with Chonbuk National University, Jeonju, Korea for further studies and research association in Mechanical Engineering.

Mechanical Engineering Department has tie-up with Empower Consultants and PentaCAD for the benefit of the students.

Financial assistance for projects received by the department

YES

Project Title	Project Duration	Amount Received	Funding Agency	Status (Completed / progress)	Number of faculty involved
Tool and Die wear Life study	6 months(04-08 to 11-07)	Rs.25,000	Exquisite Industries	Completed	Two
Remote Aerial Surveillance Project	1 year (03-07 onwards)	Rs.10,000	Jaya Educational Trust	Completed	one
RFID – safety System for Railways	1 year 2009-10		Indian Railways	In proposal stage	one

External resource persons are being invited for lectures and seminars:

Year	Name of the Resource person	Background Industry/Academic/R&D	Topic Covered
2008-2009	Prof. Dr.H.Peeru Mohamed / Anna University	Academic	Intellectual property
	Prof.Dr. Ronald Lim Singapore Natioanl Technological University	Academics & Industry	Advanced Manufacturing Tech.

	Singapore		
2007-2008	Dr.V.S.P.Shet, Professor, IIT(M), Chennai Prof.Dr.L.Vijayaraghavan Professor, IIT(M), Chennai	Academic	Thermal Science
	Ms.Usha Ramani, Brakes India Ltd, Chennai	Industry	Six sigma
	Dr.V.Ganesan, Professor, IIT(M), Chennai	Academic	Alternate Fuels
2006-2007	Dr.Sarit Kumar Das, Professor, IIT(M), Chennai	Academic	Heat Transfer
	Mr.Naresh Iyyer, Sr Manager, Rane Steering Systems, Guduvanchery	Industry	Recent trends in Automobile Industries
	Mr.Arvind Parthasarathy, Sigma Pi Power Systems, Chennai	Industry	Hybrid Vehicle
2005-2006	Dr.R. Velraj, Professor, Anna University	Academic	Energy Engineering
	Mr.Suryanarayana, CADD centre, Chennai	Consultancy and Special Training	Computer Aided Design and Drafting
2004-2005	Prof.Gregerson, Prof. Ellefson, DenMark	Industry	Petroleum Exploration
	Mr.Anantha Padmanathan, Vice.President, EFUCA,Chennai	Academic / Industry	Alternative Fuels
2003-2004	Dr.P.Radhakrishna, Director,MNES, Chennai	Industry	Non conventional Energy
	Dr.Malayappan Vishwanathan V.P/ ER&D, Brakes India Ltd, Chennai	Industry	Vibration Reduction

NOTABLE GUEST LECTURES

Title	Offered by	Level	Duration	No of candi dates
Advanced Manufacturing	Prof.Dr.Ronald Lim From NTU, Singapore	National Level	2 days (March 2009)	35
Soft skills Development	RIPE, Chennai	Intra Dept	1 month (August-September 2008)	66
Mechadroit'08	Intercollege Symposium	National Level	2 days	160
Solid Works 2008-09	CADD centre, Chennai	State Level	2 workshops- Each 2 weeks duration (Oct. 2008)	131

Non Destructive Testing and Welding	Advance Welding NDT Institute, Gerugambakkam	Degree level	1 week (July2007)	34
English Language Training	English Dept, JEC	Degree level	1 semester (July-December 2007)	60
Nx-CAM, Nx-Tran	Mechanical Department in association with: Empower, Consultancy Services, Chennai	National level	3 weeks (January-February2006)	67

SPECIAL TIE-UP WITH INDUSTRIES

Project Title	Project Duration	Amount Received	Funding Agency	Status (Completed / progress)	Number of faculty involved
Tool and Die wear Life study	6 months(04-08 to 11-07)	Rs.25,000	Exquisite Industries	Completed	Two
Remote Aerial Surveillance Project	1 year (03-07 onwards)	Rs.10,000	Jaya Educational Trust	Completed	one
RFID – safety System for Railways	1 year 2009-10		Indian Railways	In proposal stage	one