

JYOTHI ENGINEERING COLLEGE

CHERUTHURUTHY

BOOK-1

VOLUME-1

FEBRUARY 2009

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Indeed I am glad to hear the Jyothi Engineering College is bringing out its first News Letter – “JECC News”. This realized dream, I am sure, will be an ideal medium and a constructive voice to let the people know what the Jyothians are doing over there. May this new venture not only disseminate the happenings of Jyothi to every nook and corner of the world but also continue to serve as a web among the staff and students for collective thinking, listening, dialogue and action. My hearty congratulations to all those who worked hard to make this dream come true!!!

Invoking God's blessings upon this creditable venture,

Yours in Lord Jesus

Mar Andrews Thazhath

Chairman, Thrissur Educational Trust

MESSAGE

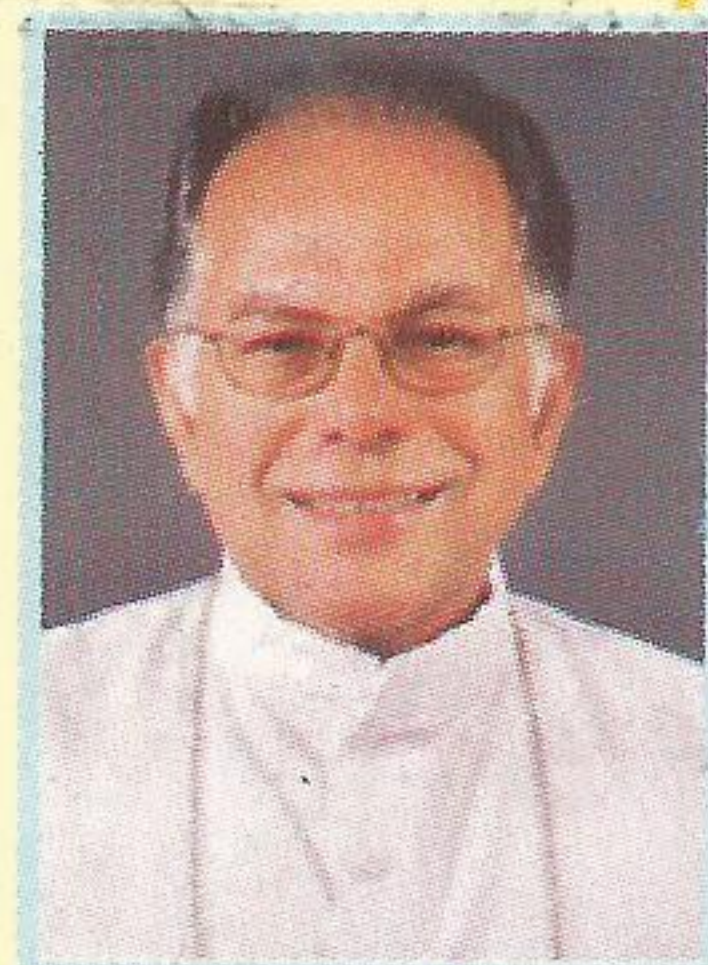
Dear Principal, staff and students,

I am extremely happy to learn that JECC News will be released in February 2009. I am sure it will highlight the ideals, ideas and achievements of the faculty and the students at Jyothi. May this endeavour be a grand success!

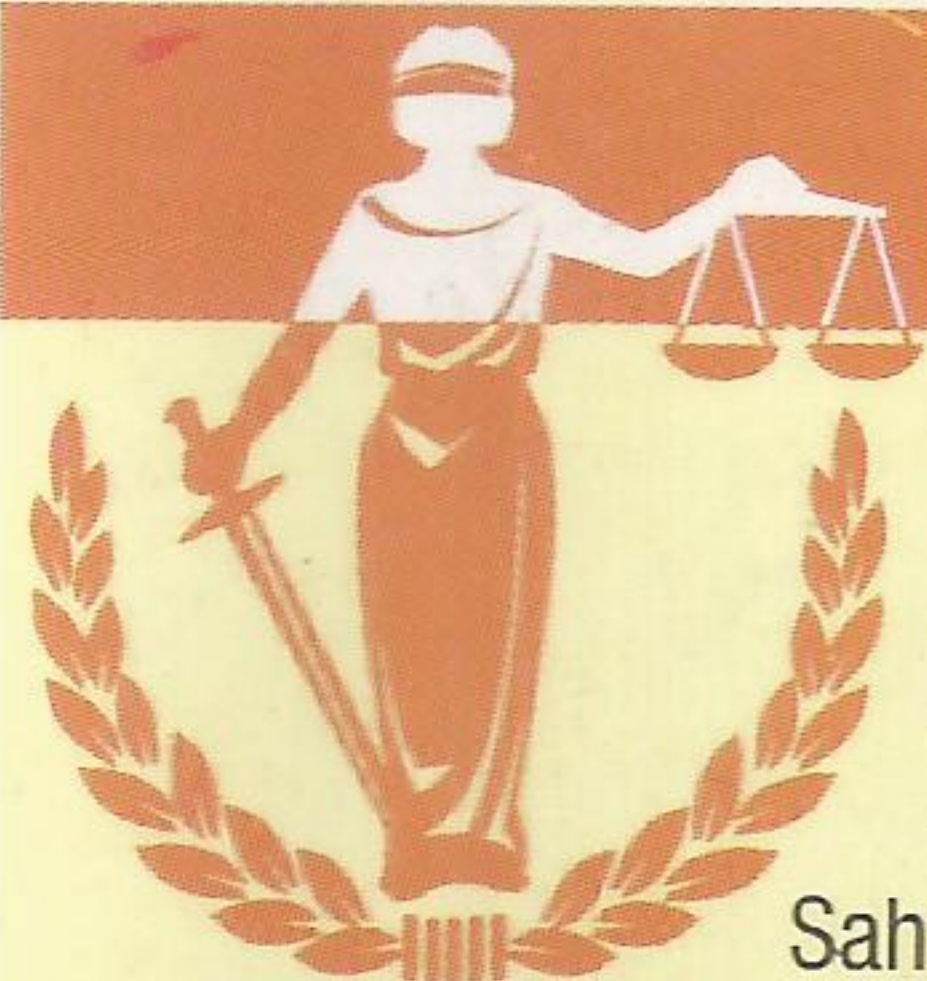
Sincerely Yours in Jesus

Mar Jacob Thoomkuzhy

Archbishop Emeritus



Dr. Alexander Jacob IPS inaugurated the Induction programmes. Rev. Dr. Francis Alappat Director Jubilee Mission Medical College, Thrissur gave the keynote address.



JYOTHI WINS AFFILIATION CASES !!

The Honourable High Court of Kerala has upheld the contentions of Jyothi Engineering College and Sahredaya College of Engineering and Technology, in cases filed against the University of Calicut in delaying continued affiliation of the colleges and denying the students their legitimate right to appear for the University examinations.

For the last three years the university has been dragging its feet in issuing affiliation orders. The reason put forward by the university initially was the college did not enter into seat sharing agreement with the Government; but soon they retreated from this position as it had no locus standi before the law.

So they argued that the college did not apply for affiliation in time and observe AICTE norms. The University's Order and AICTE's Letter of Approval up to 2010 produced by the college proved that the argument of the University was invalid. Hence the Honourable High Court rejected the contentions of the University. Justice Mr. Antony Dominic in his judgement finally disposing of all the six cases, ordered that the College is deemed to have affiliation up to 2009. The court has also ordered the University to publish the results of Semesters I & II examinations of 2007 batch and directed the University to publish the results of Semesters IV & VI exams of Jyothi Engineering college along with the results of other colleges.

Advocate Kurian George Kanamthanam, senior counsel, appeared for the College Management.

FACULTY RANKS

GOLD MEDAL FROM VINAYAKA UNIVERSITY

Sri Girish, Asst. Professor, Department of ECE, won a gold medal from Vinayaka University Salem for first rank in M Tech Examinations.



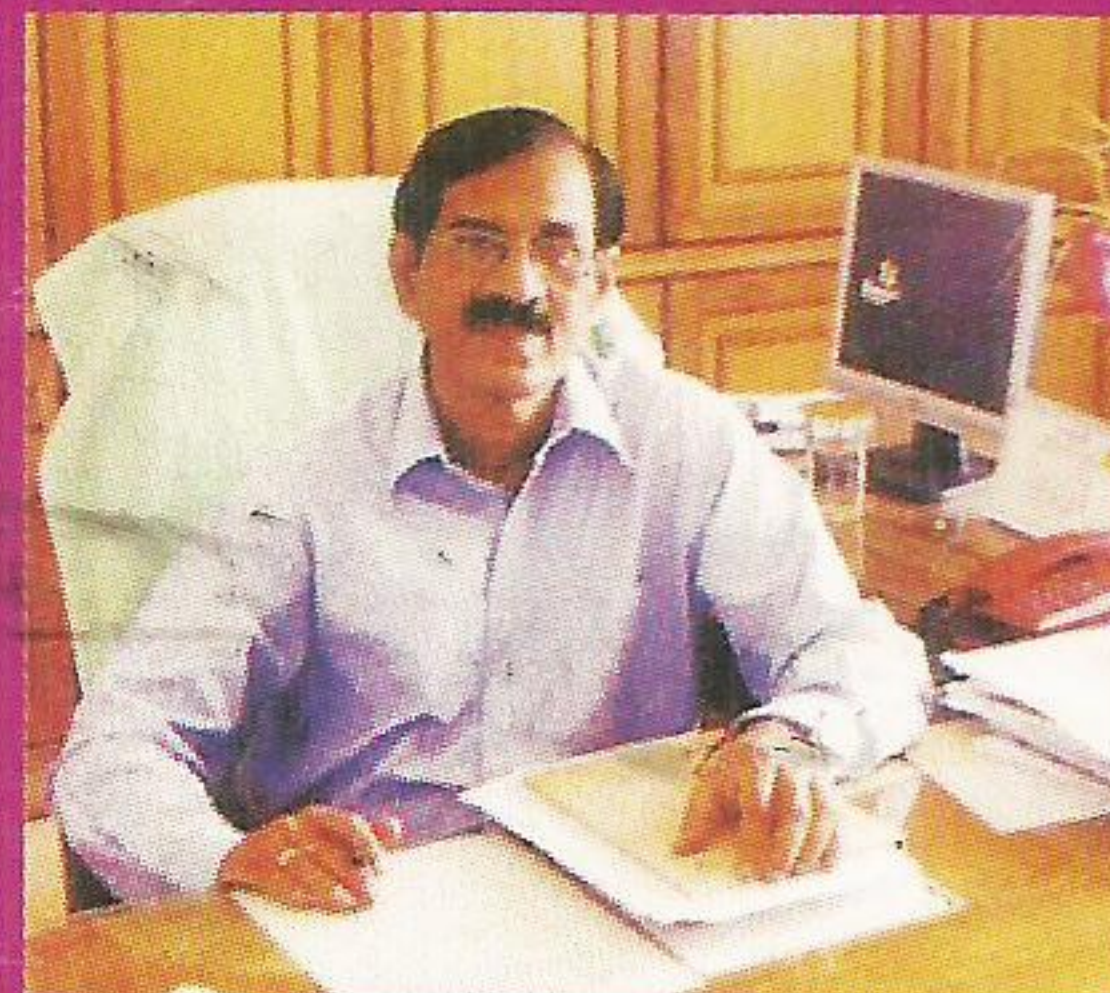
1st RANK IN KERALA UNIVERSITY

Lecturer R. P. Praveen secured first rank in M. Tech (Electrical Machines) from Kerala University.



1st RANK IN KERALA UNIVERSITY

Lecturer Kannan M. got first rank in M. Tech (Power Systems) from Kerala University



I am glad that the first issue of JEC News will be released in February 2009. The newsletter will definitely bridge the gap in internal communication between the college and its different stake-holders. I wish every success to the new venture. - Thomas Mathew, Administrator.

JECC News release brings joy to everyone in the JECC family. I am sure it will serve as a cementing medium among the management, parents, Principal, faculty and students. Timely information transfer eliminates misinformation.

Congrats to the Editorial team.

Rev. Fr. Jose Konnikara, Finance Manager



NATIONAL WORKSHOP ON EMBEDDED SYSTEMS

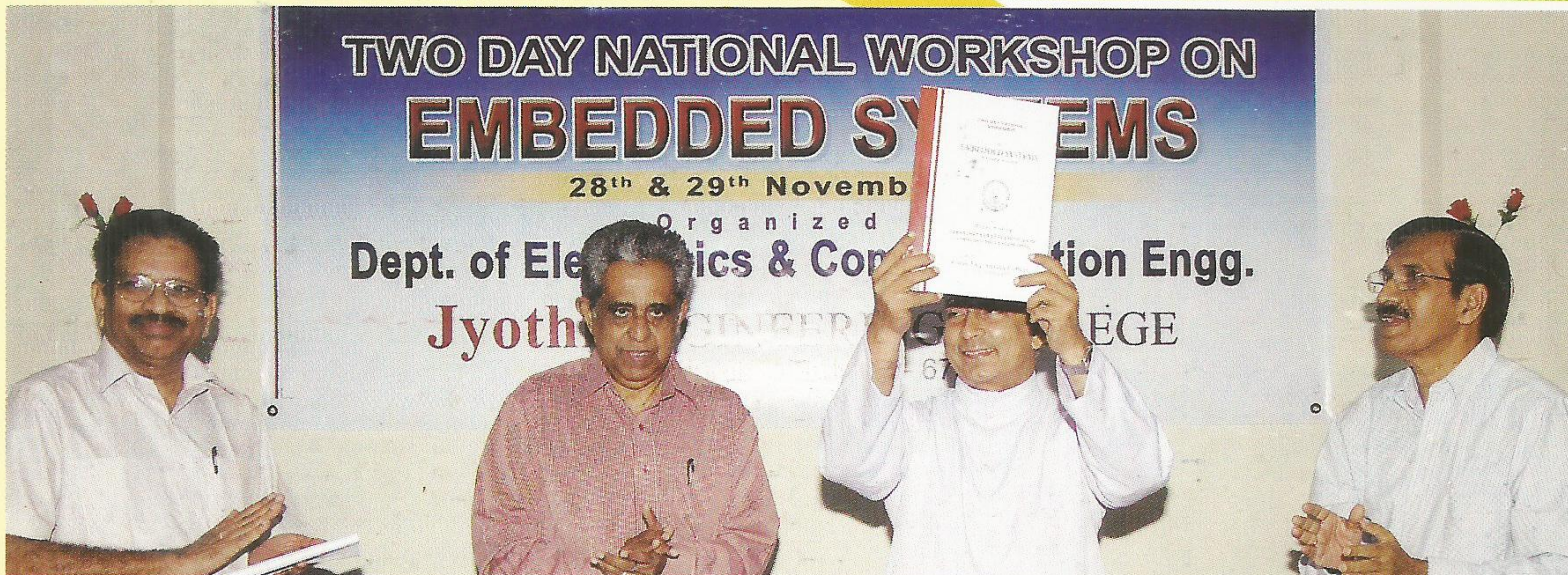
TWO DAY NATIONAL WORKSHOP ON EMBEDDED SYSTEMS

28th & 29th Novemb

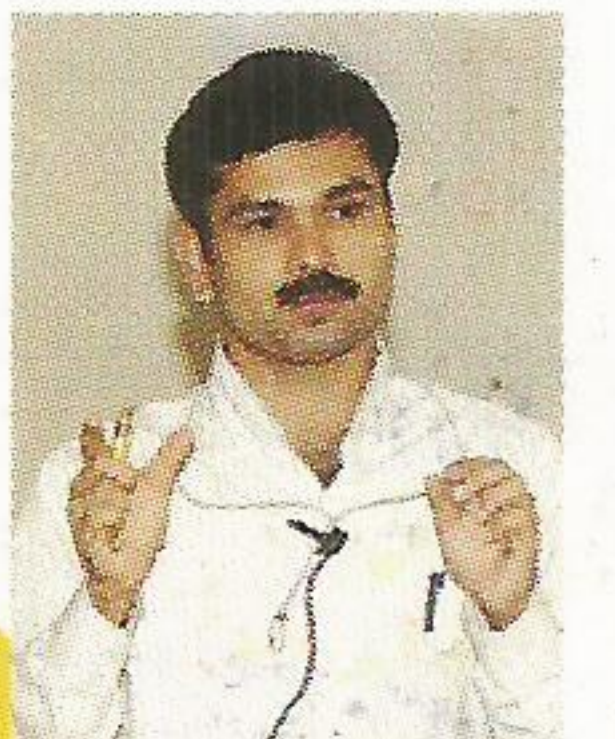
Organized

Dept. of Electronics & Communication Engg.

Jyothi Engineering College



Technopark, TVM, Sri Thomas Joseph, senior scientific officer CDAC Thiruvananthapuram and Prof C Muraleekrishnan, HOD, Computer Science Engg. Jyothi Engineering College were the resource persons. Participants included faculty from



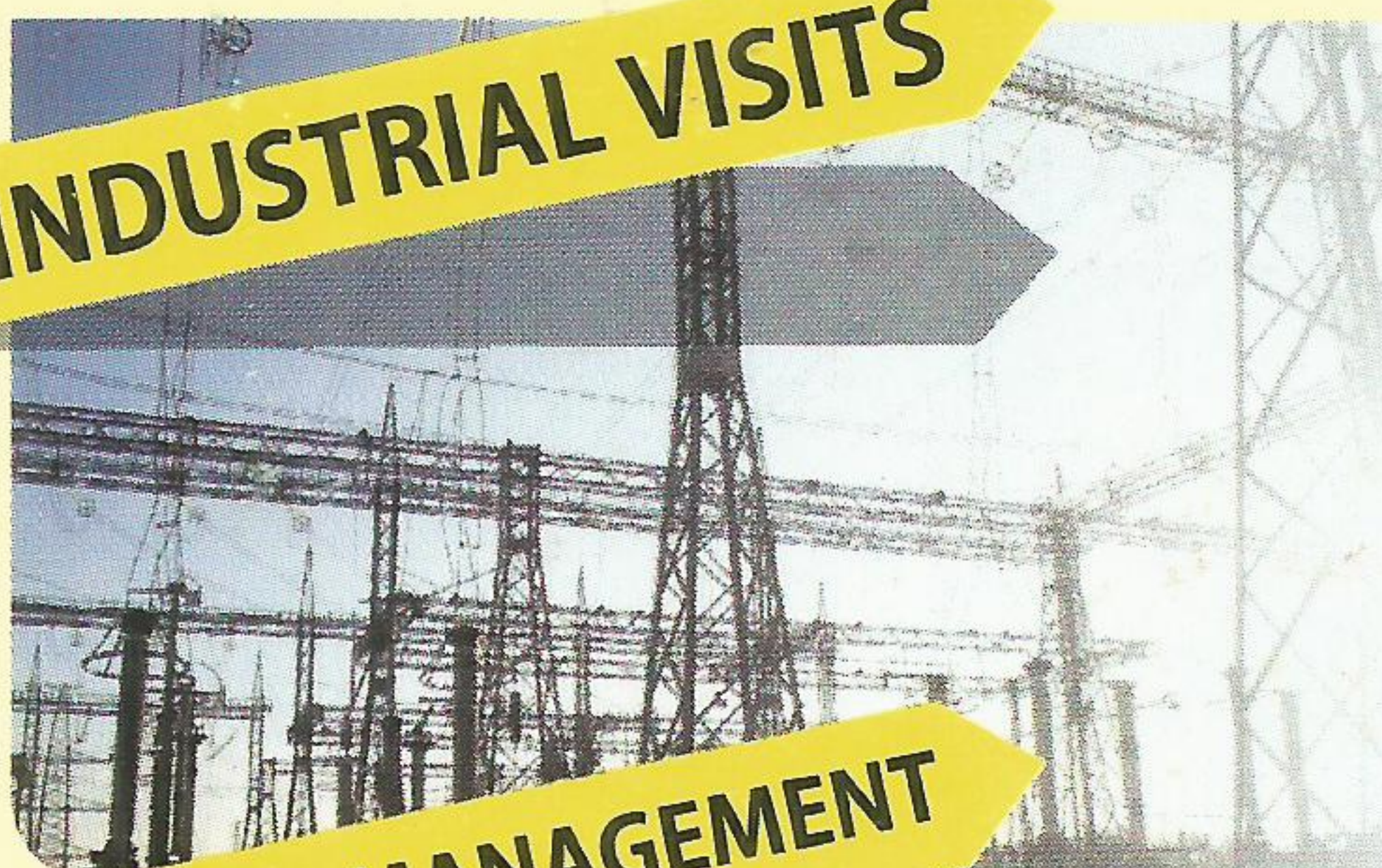
A Two-day National Workshop on Embedded Systems organized by the ECE department was inaugurated by Msgr Raphael Vadakkan, our manager. Dr U Lazar John, principal, presided. Prof P Sukumaran, HOD, in his words of welcome, highlighted latest developments in the field. Sri Shoukath, senior engineer, DOECC, Calicut, Sri Baiju Karun, senior engineer, and design engineer Don Carol Joseph, both from Tata ELXSI,



Vidya Academy of Science and Technology, Thrissur, MES College of Engineering, Kuttipuram, MET'S School of Engineering, Mala IES College of Engg. and Technology, Thrissur, Rajagiri School of Engineering and Technology, Kochin, AL- Ameen Engineering College, Kulappully and Jyothi, Cheruthuruthy. Er Thomas Mathew distributed the certificates during the valedictory function.



INDUSTRIAL VISITS



- S3EE students gained hands on experience during their visit to Pallivassal Generating Station on 21st August 2008.
- S7 EE Students' visit to TELK Angamaly helped them gain much information on Industrial manufacture of Generators/ Transformers.
- S5 EE students visited Kozhikode Diesel Power Plant on 17th December 2008.
- Silent Valley was the venue of the study tour of S4EE.
- ECE3 students visited Sark Cables Kanjikode and acquainted themselves with latest cable manufacturing techniques.
- ECE5 Students visited Fluid Control Institute, Kanjikode on December 4th, 2008.

ENERGY MANAGEMENT

Binu Sakaria, Lecturer in Dpt. of Mechanical Engg., Jenson Jose, Lecturer, P.D. Francis, Asst. Professor, both from EEE attended a workshop on Energy

Management at St. Joseph's College of Engineering and Technology, Pala. The week long workshop dealt with Solar Energy, Thorium based power generation and TQM techniques in energy management.

SCINTILLATING RESULTS!!!

Jyothi stands overall first among self-financing engg. colleges and second among all engg. colleges of Calicut University in 1 & 2 Sem Exams.

Branch	Pass%	Position in Calicut University
Computer Science	98.33 %	1st
Electrical & Electronics	91.38 %	
Mechanical Engineering	88.14 %	
Information Technology	83.33 %	2nd
Applied Electronics	75.00 %	
Electronics & Communication	91.67 %	4th

S8EE- Secured 92.3% pass in Calicut University Exams results published in August 2008.

100% for Industrial Drives and Instrumentation.

100% for Mechanical Engineering II

RANK HOLDERS

Second Rank in Electrical and Electronics Engineering Calicut University was secured by Krishnan C. M. C.

Fourth Rank went to Neethu Varghese in Electrical and Electronics Engineering in Calicut University Exam.

Neenu V. R. secured the fourth rank in Information Technology Calicut University

Jyothi Raj secured the fourth Rank in Computer Science and Engineering in Calicut University

S5EE secured the first position in the Calicut University S5 Examinations results.

S3EE Students secured the first position in Calicut University S3 Examination results.

Ph D Admissions

R.P Praveen M.Tech in Cochin University

Jose P. Therattil M.Tech in NIT Rourkela

C.V. Biju M.Tech in IIT Madras

Anitha Jacob M.Tech in NIT Calicut

ADD-ON COURSE

EE Department conducted Auto Cadd and Cad Electrical course for 90 days at Jyothi Engineering College campus in co-operation with Cadd Centre Thrissur.

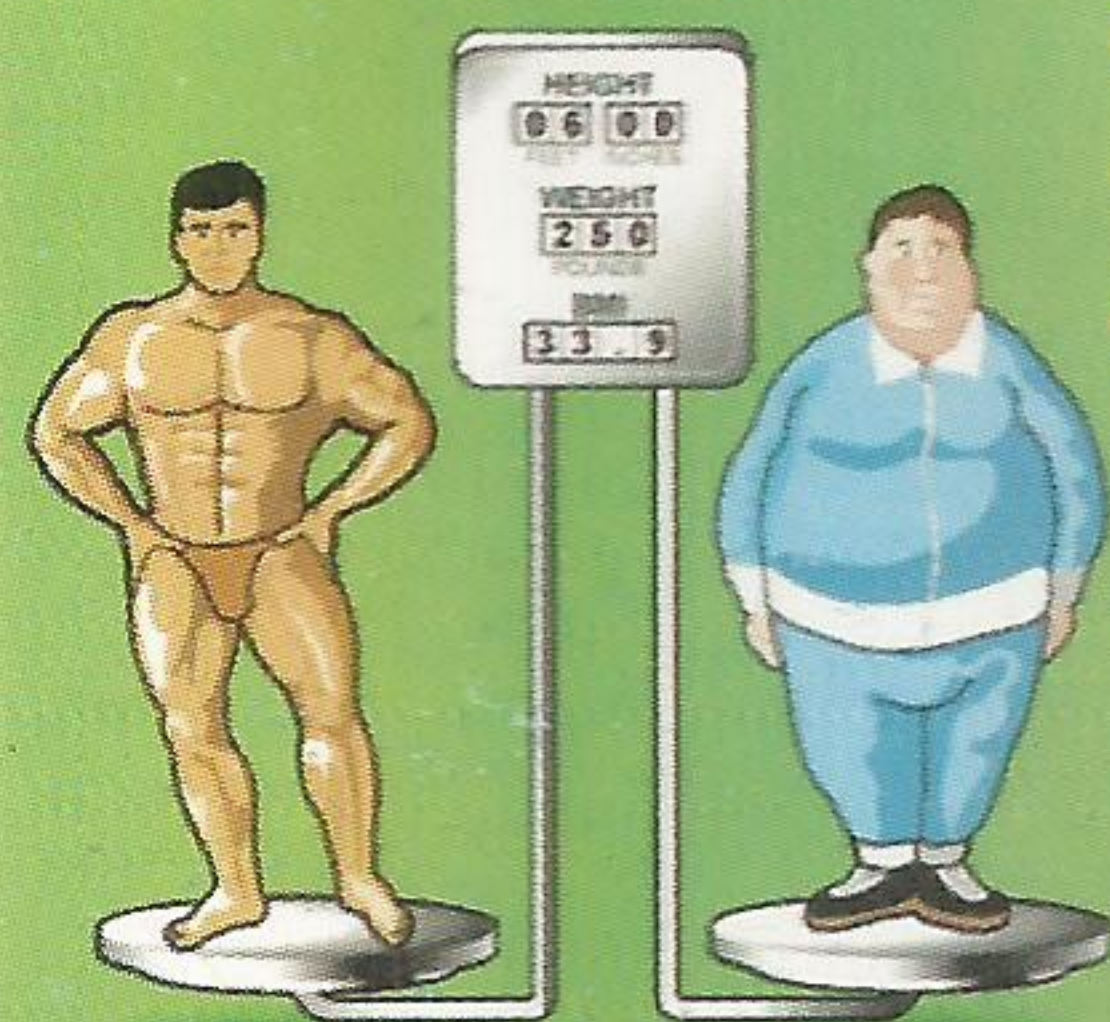
DO YOU KNOW YOUR BODY MASS INDEX ?

Calculation: $BMI = \text{Weight in Kg} / \text{Height in Meter}^2$

Overweight Control

- Walk up to 2 km daily
- Control your food intake
- Avoid food containing sugar

BMI upto 25 -- Normal
25--28 -- Overweight
>28 -- Obesity



IEEE Region 10 Student Congress 2008 was held at Chennai, India from 27-30th January 2008. IEEE president and CEO Lewis M. Terman. John Vig, IEEE President Elect 2008. Roberto De Marca, IEEE VP, TAB, S. Salivahanam, IEEE Madras Section Chair, John Paul Iyyanam IEEE Student Chairman Jyothi Engg. College Cheruthuruthy

INDO-GERMAN CONFERENCE

Biju C.V, Asst. Professor Mechanical Engg. Dept. presented a paper on water management in the Indio-German Conference on Energy management. Water supply in multi-storeyed structures uses lift pumps and roof mounted overhead tanks necessitating reinforced structures to withstand the extra dead load and pumping of water into overhead tanks.



A case study conducted in different multi-storeyed buildings on water consumption shows that more than 60% overall water requirement is in the 1/3rd of the total number of floors. Gardening, landscaping, car wash, swimming pools and laundry consume more water. Therefore 60% of water need not reach the over head tank. For example in a 15 storeyed building an auxiliary tank on the fifth floor would very well serve the purpose. Only 40% of the total water required need to be pumped up to the overhead tank. Hence the savings in cost and maintenance. The energy saved in the state by providing auxiliary tanks in multi storeyed building is calculated as Rs.1,23,34,482.76 per year.

PLACEMENT AND TRAINING

Aptitude Tests, GDs Interviews and Personality Development Programmes conducted by Turning Point Palakkad and Astra Tvm. prepare Jyothians to face campus recruitments with great confidence.

Branch	2002	2003	2004	2005	TOTAL
CSE	31	26	52	22	131
EC	31	33	37	26	127
IT	22	24	10	08	64
EE	26	29	46	10	111
ME	--	--	07	14	21
Grant total	110	112	152	80	454

Campus recruitment was conducted in Jyothi by 29 companies including: US Technologies TVM; IBS TVM; Cognizant Chennai; Caritor Chennai; L&T Chennai; Infosys Bangalore; HCL Chennai; Dell Bangalore; I Gate Bangalore; Slash Support Chennai; Shobha Developers Bangalore; TATA consultancy Chennai; Wrench Solutions Kochi and Focuz Infotech Kochi.



Pisharody Harikrishnan G has been awarded Diamond Ring for the best overall student of 2008 instituted by M/S Sunny Diamonds, Kochi.



Extremely happy to have a regular news letter from Jyothi. Achievements of students, meritorious work done by the faculty, whole-hearted support of parents and the incessant backing from the management, at times, go unnoticed by the majority of Jyothians. JECC- News will help disseminate right information. Others' victories in curricular and co-curricular realms provide additional impetus to aim high and bring laurels to Jyothi. Best Wishes

Dr. U Lazar John
Principal

I am glad to hear that Jyothi Engineering College is bringing out its News Letter titled 'Jecc-News'. It is said that 'the pen is mightier than the sword'. The print media, playing an important role in society not only informs about the events and happenings but also educates, influences and transforms individuals and society. I am sure that 'Jecc-News' an endeavor of the student body of Jyothi Engineering College will serve the purpose of disseminating information on various campus activities. May this milestone help us to know each other, appreciate each other and foster a sense of unity in diversity! My sincere congratulations to all those who worked hard for this fine work! While wishing a fruitful academic year, I remain.

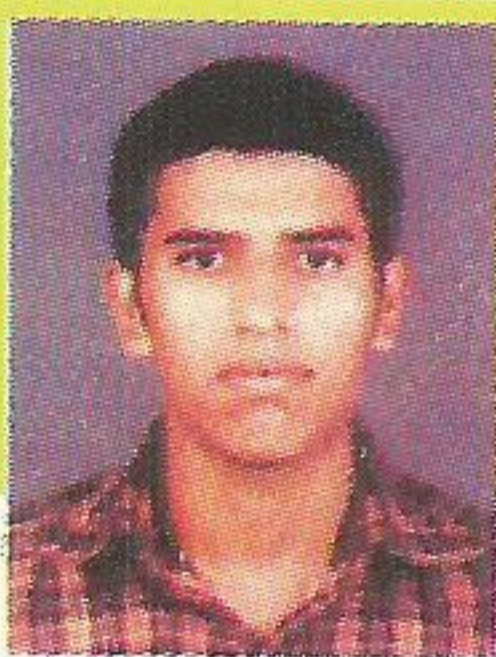


Msgr. Raphael Vadakken
Manager

CO CURRICULAR ACHIEVEMENTS



Hrishikesh Varma & Renjith Paul bagged the third prize in General Quiz of Manorama News channel winning 50,000 rupees each and two Lap Tops.



Hat-trick wins by Calicut University Quiz team led by Hrishikesh Varma S8EEE in the South Zone Inter University competition.

National Championship in Quiz was bagged by Calicut University Quiz team led by Hrishikesh Varma S8 EEE.



Runner Up in ET In the Campus (Business Quiz), India's largest business quiz, Hrishikesh Varma S8 EEE and Nithin Jyothis S8 IT

Arun Pooleery & Deepak Krishnakumar of S8ME won the first prize in Technical Quiz conducted by Indian Society for Heating, Refrigeration, and Air-conditioning Engineers held at Sri Narayana Guru Engineering College Perumbavur



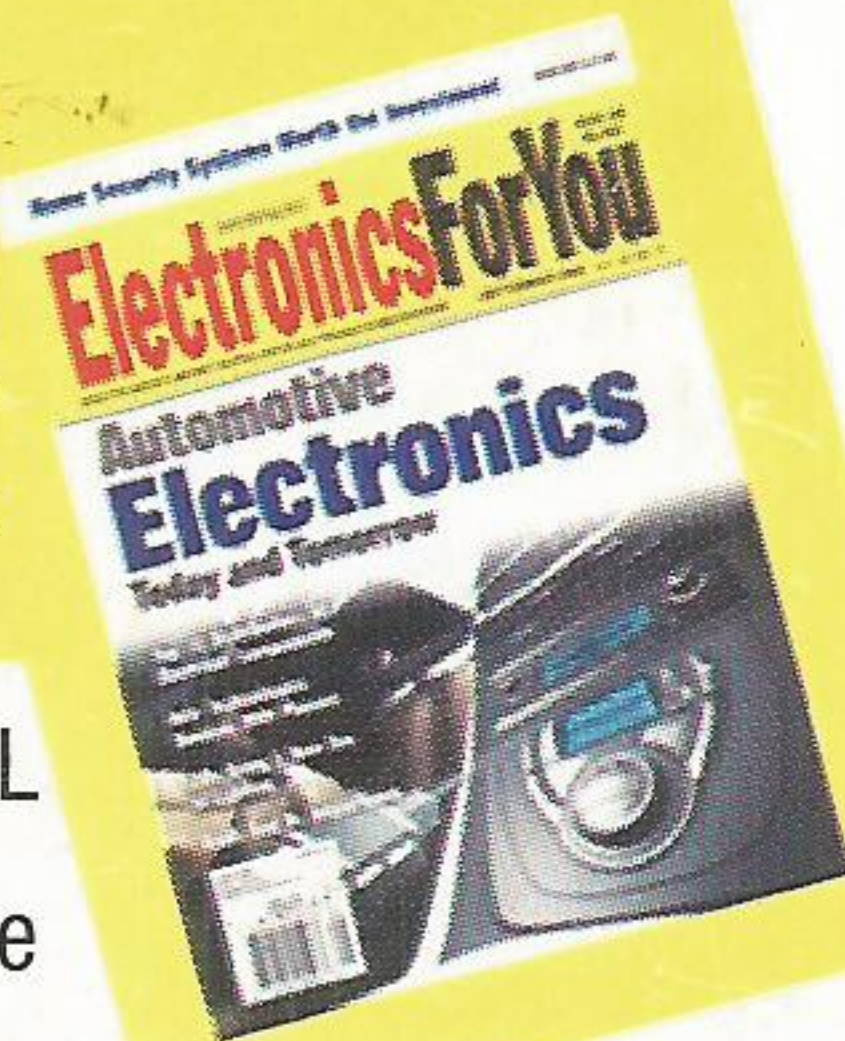
George Thomas and Anil C.S of S4 ECE bagged the first prize in PENTACOD-hardware contest conducted by QUINTESSANCE at Govt. Engg. College Thrissur.



Software Section

Parallel-Port Control in GNU/Linux

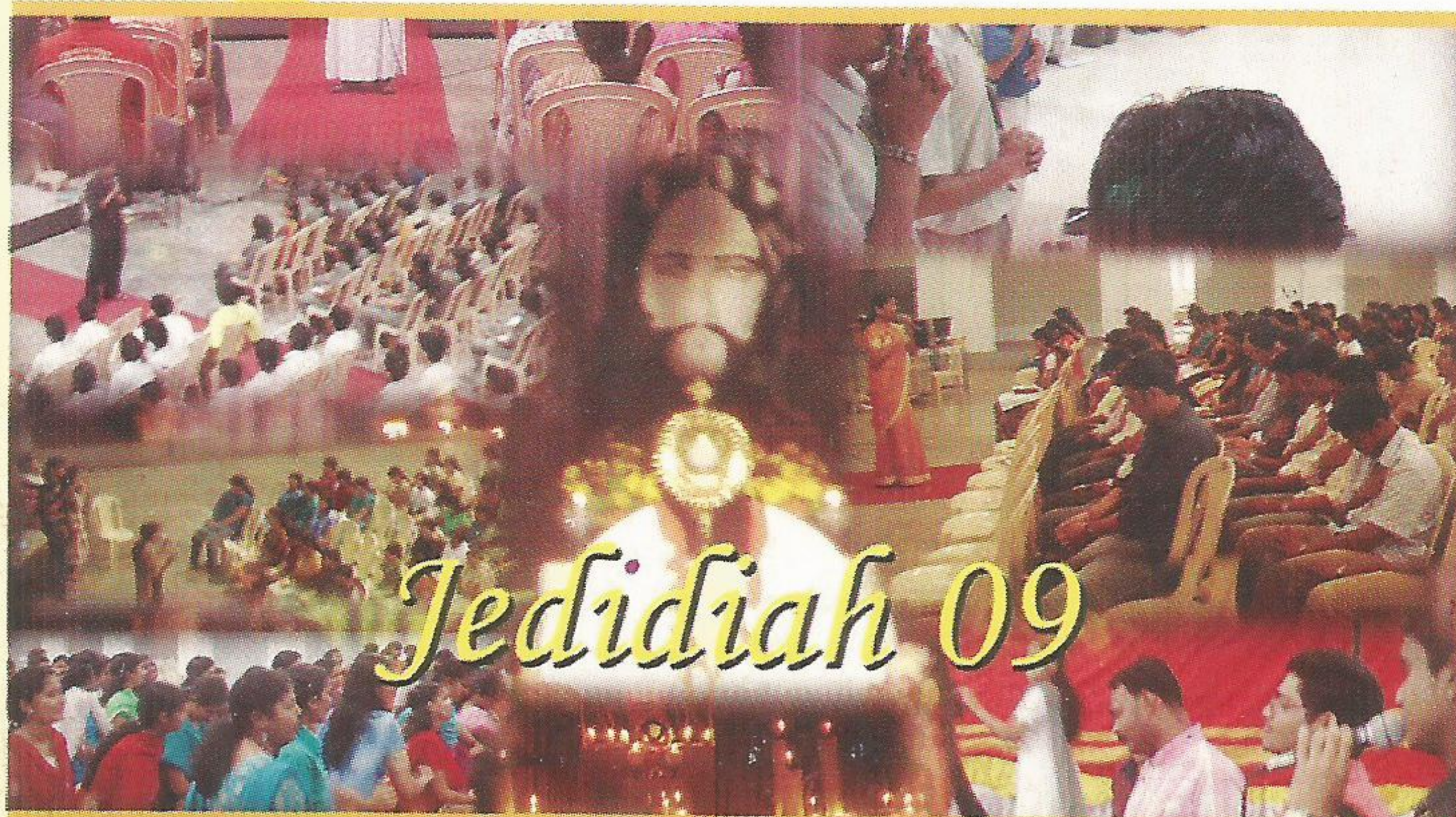
Controlling devices through a computer's parallel port is fun. Several articles on the topic have been published in EFY. But these were all based on Windows platform. So here we talk about control of the data port of the parallel port in GNU/Linux operating system.



Jeffrey Antony's (S7 ECE) article on "PARALLEL PORT CONTROL IN GNU/LINUX" was published in the magazine Electronics For You, (September 2008).

FROM THE OFFICE DESK

Jyothi Engineering Office is manned by a team of seven competent and committed personnel with the right attitude. We render services to the stakeholders in the most efficient way possible. We meet the needs of parents and students promptly with the guidance of the principal, support from the management and the synergy generated from the excellent team work. First year students are given an orientation at the beginning of the course to introduce them to various office procedures. This makes them proactive and independent. We welcome creative criticisms and suggestions through which we grow. —Mr. P. Haridas, Office Manager.



Jyothi Jesus Youth movement organized a three day residential charismatic youth retreat on November 21, 22 and 23rd for Third and Fourth year students. - "Jedidiah-08" which meant 'Beloved of God'. Around 120 students participated in it. Mr. Sasi Emmanuel and team led the retreat and the music team consisting of former Jyothian Jeeson, Babu and Jesus youth members, assisted them. Manager of the college Msgr. Raphael Vadakan was the main celebrant of the Anointing Prayer and closing ceremony. Thrissur Archdiocesan Vicar General Msgr. Raphael Thattil, Principal Dr. U Lazar John, Administrator Mr. Thomas Mathew and Finance Manager Fr. Jose Konikara graced the function with their presence. As the name suggested all the participants could experience the loving and forgiving care of God through the audiovisual presentations, confession, counselling and other ministries of the retreat.