



SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE 641 008

Accredited by NBA-AICTE (B.E.-MECH, ECE, CSE, B.Tech. IT & MBA)
(An ISO 9001:2000 Certified Institution)



TECHSEM - 2008

STATE LEVEL STUDENTS' TECHNICAL SEMINAR

AUGUST 21 - 22, 2008

Department of Computer Science and Engineering / Information Technology Computer Applications and Applied Sciences

Paper Fest (Paper Presentation)

Group I

- Distributed systems and network security
- Intelligent Systems and Robotics
- Artificial Intelligence
- Neural Networks
- Bio Informatics
- Image Processing
- Discrete mathematics and theoretical computer science
- Mobile Computing
- Embedded systems / VLSI Design
- Current trends in IT

Group II

- Multimedia and virtual applications
- Security and hacking
- Spintronics
- ATM
- Nanotechnology
- GIS and GPS for cellular application
- Reverse Engineering
- Real time operating systems
- Human computing interaction
- Soft Computing
- Data Mining

Common Events

BARTER - THE BOSS (Marketing)

Rules and Regulations

- Prelims will be conducted
- Market the given product
- Minimum of 2 and maximum of 4 participants per team

WEB KOMBAT (Web Designing)

- Maximum of two participants is allowed
- Prelims will be conducted

DEXTER'S LAB (Software Contest)

- Maximum two participants per team
- Spot topic would be given
- Software should be designed only by respective team members
- Prelims will be conducted
- Further round will be announced on the spot

CENTURIONZ (Quiz)

- Two participants per team
- Prelims will be conducted

THE CONQUISTADOR (Best Manager)

- Only one participant is allowed
- Prelims will be conducted

KICK OFF (Online Gaming)

- III Rounds to follow (surprise)

BUG STAMPER (Debugging)

- Consists of two rounds
- A team of two members is allowed
- Only one member from a team for Prelims
- Both the members are allowed to participate in the final round

WEB HUNT

- 2 participants per team.
- Web based contest

Department of Electronics and Communication Engineering

Electrical and Electronics Engineering

Electronics and Communication Engineering ELECTROFOCUS (Paper Presentation)

Electronics

- Opto Electronics
- Nanotechnology
- Virtual Instrumentation

Communication

- Wireless Communication
 - ❖ Mobile & Cellular Communication
 - ❖ Embedded Networking
- RF & Microwave Communication
- High Performance Networks

Digital Signal Processing / Digital Image Processing

- Real Time Applications
- Applications Using Processors

GENERAL TOPICS

- Cryptography & Steganography Advancements
- Fuzzy Logic
- Biometrics
- VLSI
- Neural Networks
- Embedded Systems
- Medical Electronics

Electrical and Electronics Engineering ENERGIZE (Paper Presentation)

Power Systems

- FACTS & HVDC
- Power & Quality
- Energy Conservation, Energy Audit
- Simulation with MATLAB, ETAP & ESCAD

Electrical Machines

- Energy efficient Induction Motors
- Permanent Magnet Motors
- Vector Control of Drives

Electronics

- Medical Electronics
- Emerging trends in Power Electronics & Drives

Controls Systems

- DSP & Embedded Systems
- PLC & VI Based Controllers
- Intelligent Systems

Measurements and Instrumentation

- Nanotechnology
- MEMS

Any other related areas in
Electrical & Electronics Engineering

Common Events

DEMYSTIFIRE

- Circuit & μp debugging
- 2 per team
- Prelims and finals

BEST ENGINEER

- Individual Event
- Prelims and finals

MASTER MIND

- 2 participants per team
- Prelims and Finals

CLASH OF THE TITANS

- Prelims
- III Rounds to follow (surprise)
- Individual Event

DA VINCI CODE

- 2 participants per team
- Prelims & Finals

GOOGLAR

- Individual Event
- Prelims & Finals

ADSTECH

- Technical Quiz & Marketing
- 2 participants per team
- Prelims and finals

SUDOKU

- All day event
- Based on time of completion

WAR OF WORDS

- Debate
- One on One
- Topic on the spot

Department of Mechanical Engineering / Mechatronics Engineering

Mechanical Engineering

Paper Presentation

Thermal Engineering

- Cogeneration
- Cryogenic Technology
- Alternate fuel for IC Engines
- Energy Conservation
- Numerical Methods in Thermal Applications
- Recent Trends in Automobiles
- Computational Fluid Dynamics
- Non-Conventional Energy
- Nuclear Energy
- Refrigeration and Air-conditioning
- Environmental Engineering

Design Engineering

- CAD/CAM Concurrent Engineering
- Product Design and Development
- Finite Element Analysis
- Tribology
- A.I. and Expert System
- System Modelling and Simulation
- Vibration

MECHIORITE (TECH QUIZ)

- 2 per team (any number of team per college)

JUNKYARD WARS (SCRAP HEAP CHALLENGE)

- 4 per team
- 1 team per college

Production Engineering and I.E.

- Precision Engineering
- Virtual Manufacturing
- Composite Materials
- CIM/FMS
- Advanced Welding Techniques
- Agile Manufacturing
- Advanced Machining Techniques
- Nano Technology
- Recent Trends in Castings
- Quality Engineering
(DOE, Robust Design, FMEA, QFD, TQM)
- Manufacturing ethics
- e-manufacturing / intelligent manufacturing
- Risk / Disaster Management
- Green Manufacturing

THE NXT GATES ... !! (Business Optimisation)

- Individual Event
- Open for all

SURPRISE EVENT

- 2 per team (any number of team per college)
- Open for all department

CAD-LO-MANIAC (CAD Contest)

- 2 per team
- Guien 3-D drawing must be modelled within the allotted time

Mechatronics Engineering

ENGEEKS (Paper Presentation)

- Neural Networks & Fuzzy Logic
- Smart Materials & Smart Structures
- MEMS
- Automotive Electronics
- Rapid Prototyping
- PLC Automation
- Embedded Systems
- Oil Hydraulics & Pneumatics
- Virtual Instrumentation
- Robotics
- Bio-Medical Instrumentation
- Machine Vision
- Mechatronics System Design
- Bio Informatics
- Modelling & Simulation

SCRATCH UR BRAINS (Technical cum General Quiz)

- Two Per Team

EMERGING MITTALS (Best Manager)

- Individual Event

HURRICANE KATRINA (Surprise Event)

- Individual Event

DESIGN SAVVY (Prototype Modelling)

- Two Per Team

GAME ZONE

- Individual Event

General Instructions

- All participants are required to bring their ID cards along with bonafide certificate from their respective colleges.
- A maximum of six participants per department excluding Paper Presentation and Mini project.

Dates to Remember

- Last Date for receipt of Paper Presentation 7.8.2008
- Intimation of selection 11.8.2008
- Registration form should reach us on or before 14.8.2008
- Confirmation by Participants 18.8.2008

Paper Presentation

- Two copies of Abstract not exceeding 200 words, three copies of full paper not exceeding 10 pages and soft copy (A4, Times New Roman 12 pt) alongwith Bonafide certificate from HOD / Principal should be sent.
- One way second class train fare will be reimbursed for the participants of Paper Presentation.
- LCD / OHP will be provided.
- Prior intimation has to be given for the request of additional software and will be provided if available.

Contact Person

CSE / IT / MCA / MSc / BSc : Ms. K. Devi Priya, Department of Computer Science & Engg.
Ms. N. Susila, IT Department of Information Technology
Ms. N.K. Sreelaja, Department of Computer Applications
Ms. S. Ramya, Department of Applied Sciences

ECE / EEE : Mr. P. Ganesh Kumar, Department of ECE
Mr. C. Raja Kumar, Department of ECE
Ms. A. Vanisri, Department of EEE

MECH/MCT : Mr. P. Nandhakumar, Department of Mechanical Engg.
Mr. S. Sundararaj, Department of Mechanical Engg.
Mr. T. Venugopal, Department of Mechtronics Engg.

Sri Krishna College of Engineering and Technology

Kuniamuthur, Coimbatore 641 008

Phone : 0422 2678001 (7 Lines) Fax : 0422 2678012
E-mail : techsem@skcet.ac.in Website : www.skcet.ac.in