

## Hardware Competition Document

**Combat' 09 2<sup>nd</sup>** Nationwide Hardware Competition. Is open to all under graduate students for all Technology Institutions of Pakistan.

### Registration Procedure

The complete registration requires the online registration form and Registration fee to be submitted before the deadline. The registration form is available on the **COMBAT** website [<http://www.combat.org.pk>], at the registration link of the Hardware Competition. The form must be filled and submitted online.

**More Details for fees and payment procedure can be viewed at** [<http://www.combat.org.pk/registration.aspx>]

### Rules

- A Team will be consisting of at most four members.
- At least two members should be present with the project all the time.
- Names of participants entered in the Registration forms shall be considered final and no changes are allowed thereafter.
- The registered participants of each team must report at 09:00 am sharp on the competition day.
- Team members must bring their University ID Card.
- Teams will be given one hour prior to the competition to set up their project at the venue.
- A panel of judges will evaluate each hardware project during the period of the competition.
- Team must submit a project report to the hardware competition in-charge.
- Participants are required to be at their tables at the time of evaluation. Failure in appearing before the judge at the time of evaluation will eventually result in the disqualification the project fro the competition.
- Contestants should seek advice to protect their copyright and intellectual property rights, if any. We can take no responsibility for infringement once project have entered the public domain at judging event.
- Direct Phone lines/Access to university LAN facility shall not be provided.
- In case of cheating or misconduct, the team will be disqualified.
- The decision of the judges will be final and cannot be challenged.
- The Combat09 Committee reserves the right to disqualify any participant who fails to adhere to the above-mentioned rules.
- The Combat09 Committee reserves the right to modify the rules without any prior notice.
- The Combat09 Committee reserves the right to change date of event and prizes with out prior notice.

## Hardware Issues

- All accessories including computer, monitor, mouse, keyboard etc have to be arranged by the participants themselves.
- Any special requirements for the day of competition e.g. variable power supply, logic probes must be informed 2 days before to the Hardware Competition In-charge.

## Judgment Criteria

- Working Project
- Novelty of design & idea/ Innovation
- Practical aspects / Industrial Scope
- Knowledge / Technical expertise
- Quality of the written submission

## Suggested Report Format

- **ABSTRACT (5-8 LINES)**

Briefly describe the idea and working of the project.

- **INTRODUCTION (5-8 LINES)**

Describe the origin of the idea and the reason which inspired you to conduct such project.

- **FLOWCHART / SCHEMATIC**

A comprehensive flowchart covering all the steps involved in obtaining the final desired output should be presented. Circuit diagram should also be added to elucidate signal flow.

- **WORKING**

Along with the discussion of the working of your project, also mention the components used in it (No need to attach DATASHEETS).

- **PROGRAMMING (IF APPLICABLE)**

- **APPLICATIONS OF PROJECT**

Discuss 3 – 4 practical applications of your idea / project in industry.

- **FEASIBILITY AND LIMITATION (5 LINES)**

Describe the cost effectiveness of your product / idea and its limitations.

*Note: Precise and effective Report would gain more points in documentation, Max 10 pages.*



**COMBAT 2009**  
The Computing Battle



### **Contact Details**

If you have any other Question/Query regarding hardware competition, do not hesitate to contact at [hardware@combat.org.pk](mailto:hardware@combat.org.pk) , or call |+92-333-3007179|

### **Hardware Competition Incharge**

**Salman Shaikh.**