BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Note Submitted to the HoD

A Brief Report on Project Exhibition and Poster Presentation

Date: 19-05-2017

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Title of the Event :
Project Exhibition and Poster Presentation for final year students

Date:
May 16, 2016

Venue:
Power Electronics and Analog Electronics Laboratory

Brief Description:
Project exhibition and poster presentation was conducted on 16th of May, 2016 for the students of eighth semester, as a part of Open day at BMSIT&M. The judges for the event were as follows:

1. External Judge: Shashidhara H N, Technical Expert, GIZ
   Innovation Promotion at Deutsche Gesellschaft
   für Internationale Zusammenarbeit (GIZ) GmbH
2. Internal Judges: Dr Narapareddy Ramarao, Associate Professor, Dept. of EEE
   Prof. Ganapathi Hebbar, Assistant Professor, Dept. of TCE

This event will map to all the POs from PO1 to PO12. The rubrics for the evaluation were as follows:

a) Knowledge of the core problem to which the solution is addressed.
b) Key features being targeted for implementation.
c) Overall demonstration and validation of the results.
d) Queries answered for technical details of the project.

The feedback from the external expert is as follows:

It was heartening to see so many youngsters enthusiastically trying to solve many problems that we face in the real world.

Few suggestions were extended, which are listed below:

- Projects can be more effective, if the projects have Specifications, which makes the students to learn selection of architecture, hardware and software.

- As projects were reviewed, it came to light that projects were of two levels,

- At abstract level - Abstract level projects were mostly executed by the students who could understand the higher and abstract levels of mathematics.
- At system integration level : System integration level, is what most of the SME's are looking at, to solve the customer problems. (which is the classic 80:20 problem).

It is suggested that, if the students can be identified who are interested in System Integration solutions, they can be groomed to solve the challenges faced by the SME's.In fact, a closer interaction with the SME's would also solve first suggestion automatically. This will also improves the esteem of these students and increase their employability in the core sectors.

The external judge selected two best projects: one at abstract level and the other at system integration level. Top ten teams were certified with Certificate of Merit. The best project team was presented with momentous.

Professors from various other departments reviewing the projects.

A Feedback was taken from students on the following aspects:

[1] To what level you could apply, analyse, develop a solution for complex engineering problem

Excellent
Very good
Good
Poor

[2] To what level you were able to investigate and interpret the results using ICT methods and literature survey.

Excellent
Very good
Good
Poor

[3] To what level you used modern engineering methods/simulation tools for the project.

Excellent
Very good
Good
Poor

[4] Your project addressed the problems related to

- **Society**
- **Health**
- **Safety**
- **Legal and cultural issues**

[5] To what level your project impacts to societal and environmental context and how it addresses to the need of sustainable development.

Excellent

Very good
Good
Poor

[6] To what level you understand the importance of professional ethics and responsibilities of engineering practice.

Excellent
Very good
Good
Poor

[7] To what level you were able to exhibit the team work to the judges.

Excellent
Very good
Good
Poor

[8] To what level you were able to communicate/present/demonstrate the project work.

Excellent
Very good
Good
Poor

[9] To what level you could learn about the project management and financial aspect of the project.

Excellent
Very good
Good
Poor

[10] How much percentage of the project involved learning beyond the subjects you learnt in eight semesters.

>80%
60 to 80%
<60%

[11] To what level you feel that the project work has helped you learn/attain all the graduate attributes.

Excellent
Very good
Good
Poor

[12] To what level you find the review comments/suggestions of the external/internal judges useful to analyse/demonstrate the project.

Excellent
Very good
Good
Poor

[13] To what level you appreciate/recommend project exhibition to your juniors.

Excellent
Very good
Good
Poor

[14] In which category you see your project. (Tick one or more appropriately)

- **Simulation**
- **Hardware**
- **Product based**
- **Research**
- **Societal based**

Any suggestions you would like to give regarding any aspect related to project work.

Top 10 Projects for the year 2017 academic batch is as follows.

TOP 10 PROJECTS				
SL. NO.	**BATCH NO.**	**PROJECT GROUP**	**USN**	**TITLE**
1	**B23**	**B S PRATHAM**	**1BY13EC013**	**Hardware implementation of Robust sensor fault Accomodation**
		ABHINAV ABHIPRIYA	**1BY13EC005**	
		ABHIJIT M	**1BY13EC004**	
		CHIRAG P T	**1BY13EC021**	
2	**B17**	**SURABHI LAKHOTIA**	**1BY13EC080**	**Design of proprietary protocol in wireless communication network for bus bunching avoidance system**
		VANI G	**1BY13EC088**	
		KAVYASHREE C	**1BY13EC037**	
		BHARATH M K	**1BY14EC408**	
3	**B19**	**PRATHIKSH S P**	**1BY13EC057**	**Multi-modular integrated system for navigational purpose using Automative Surface vehicle**
		VISHAL H P	**1BY13EC092**	
		PAYAL P JOSHI	**1BY13EC055**	
		VIDYASHREE S V	**1BY13EC095**	
4	**B21**	**K KAUSHIK DEVAIAH**	**1BY13EC033**	**Antenna design strategies for DSRC Radar**
		MAYANK HASMUKH BHAI PATEL	**1BY13EC044**	
		NIHAL R MANDI	**1BY13EC049**	
		SATHYA GANESH SHARMA R	**1BY13EC069**	
5	**B2**	**HARSHITHA M**	**1BY13EC032**	**Smart Agro System**
		CHANDANA M	**1BY13EC018**	
		ANUSHA R	**1BY13EC011**	

		BHARGAVI Y R	**1BY13EC016**	
6	**B3**	**ANUSHA N**	**1BY13EC010**	**waste segregation using neural networks**
		KRITHIKA RAJ D	**1BY13EC038**	
		SHALINI RAGOTHAMAN	**1BY13EC070**	
		SUSMI ZACHARIA	**1BY13EC082**	
7	**B14**	**GAURAV KAMATH H**	**1BY13EC030**	**Smart Hearing Aid**
		ANSHUM PAL	**1BY13EC009**	
		ALOK RANJAN	**1BY13EC008**	
		NITIN SINHA	**1BY13EC052**	
8	**B11**	**SAI MUKUNDA S**	**1BY13EC066**	**Intelligent accident avoidance by drowsiness detection and alarm system in automobiles using image processing**
		VINAYAKA BHAT	**1BY13EC090**	
		VISHNU B T	**1BY13EC093**	
		KOMAL G SINGH	**1BY13EC097**	
9	**B7**	**P HARSHITHA**	**1BY13EC054**	**Unmanned 2 wheeled robotic mobility assistance using feedback linearization**
		SHARAN BHAVANI SHANKARA HEGDE	**1BY13EC071**	
		S JASWANTH	**1BY13EC064**	
10	**B22**	**B ABHINAY**	**1BY13EC012**	**Image text to speech conversion for visually impaired**
		ERAM FATIMA SHAIK	**1BY13EC027**	
		MITADRU BERA	**1BY13EC046**	
		SHARSHA VANRIA THOTA	**1BY13EC073**