



NEXUS NEWZ



HKBK CE ECE DEPT Newsletter , Accredited by NBA

VOL 15

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From HOD's desk



Prof. Hussain Ahmed , HOD , Dept. of ECE

Greetings,

Looking at this semester's achievements of the faculty and the students I feel very proud and happy. Our faculty have participated and published many research papers. This kind of work would certainly improve the research standard of the department and help in the improvement of the incubation center of the college.

We had also organized many SDPs and FDPs for both the student fraternity as well as the faculty. These interesting programs will certainly improve the knowledge of the students and the faculty and help them in their future.

Hope you enjoy reading this edition of the newsletter as you always do, let us know your suggestions for further improvements.

With happiness there always comes sorrow. I feel extremely sad by the sudden demise of our beloved students Dastagir Pasha and Roohi Naaz of 3rd semester. We miss their presence and pray that their souls rest in peace & express solidarity with the parents at this time of distress.

Vision

To shape the students as disciplined humane engineers who can build strong, peaceful and vibrant country and focus on mutual respect, tolerance and professional ethics.

Mission

- To provide the best possible educational experience through excellence in teaching and research activities for today's students and professionals of tomorrow.
- To hone young minds and train them to be conscientious individuals who will serve the society as competent professionals in the field of Electronics and Communication.

Program Educational Objectives

- ◆ Our graduates will possess good knowledge in engineering fundamentals.
- ◆ Our graduates will be capable of analyzing and designing systems.
- ◆ Our graduates will be capable of creating innovative products in multidisciplinary areas.
- ◆ The graduates will be ethically strong personnel with good communication and interpersonal skills with high moral values.
- ◆ They will have a desire for continuous learning and R&D.

STUDENT TOPPERS

1HK16EC101	Sourav Suman	2nd Sem
1HK15EC090	Shalom Darvint M	4th Sem
1HK14EC076	Tanzeela Kausar	6 th Sem
1HK13EC022	Hajeera Noor	8 th Sem

FACULTY PUBLICATIONS

- ◆ Mr. Imtiyaz Ahmed B.K published a paper on "Synthesis of Blind Adaptive Beamformer using NCMA for Smart Antenna", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 18 (2017) pp. 7137-7142
- ◆ Dr. Suraiya Tarannum, "QoS Provisioning Using Secure VANET Application for Different Network Environments", HKBK International Journal of Engineering, Sciences and Technology (HIJEST), June 2017, Vol. 1, Issue 1, pp. 1-5
- ◆ Nikhath Tabassum, Geetha. D. & "A survey on Clock synchronization protocols", IEEE Smart Tech conference, pp. 504-509, Aug. 2017
- ◆ Dr, Suraiya Tarannum, "Opposition Based Genetic Algorithm for Optimizing Pilot Pattern for MIMO-OFDM Systems", HKBK International Journal of Engineering, Sciences and Technology (HIJEST), June 2017 Vol. 1, Issue 1, pp. 6-8
- ◆ Dr, Suraiya Tarannum, "Channel Estimation for MIMO-OFDM Systems: The Recent Trends", HKBK International Journal of Engineering, Sciences and Technology (HIJEST), June 2017 Vol. 1 Issue 1, pp. 9-13
- ◆ Dr, Suraiya Tarannum, "PAPR Performance Evaluation Using LDPC for MIMO-OFDM Transmission Systems", HKBK International Journal of Engineering, Sciences and Technology (HIJEST), June 2017 Vol. 1, Issue 1, pp. 9-13

Programme Outcomes/Graduate Attributes

Engineering Knowledge: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems

Problem Analysis: Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.

Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations

Investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.

Modern Tool Usage: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

The Engineer and Society: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

Environment and Sustainability: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice

Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams and in multidisciplinary settings.

Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions

Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Life-long Learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

First Year Orientation

An Orientation Program was conducted on 7th August 2017, for the 1st semester students. The HOD and the faculty addressed the students and congratulated them for Joining Engineering course and motivated them to perform better.



Fresher's Day and Ethnic Day Celebration

A Fresher's Day and Ethnic day was conducted for the students. The students participated in the different events with a lot of enthusiasm.



FDP on LabVIEW

A FDP on LabVIEW was organized in association with EDU – TECH solutions on 10th - 13th October 2017, Dr. Prasanna M K, Professor, , BMS College of Engineering, Bangalore was the resource person for the event



Other Activities

- ◆ The department website was launched on 29/08/2017. <http://hkbkelectronics.ml> is URL of the website. Students can access department notifications and download information related to various subjects on the website. Prof. Subiya Yaseen is the Department Website Co-ordinator.
- ◆ A “Student Development Program was organized on 29/08/2017 on Professional English Speaking Skills” for 3rd and 5th Semester Students. Prof. Hussain Ahmed, HOD, ECE and Prof. Subiya Yaseen were the resource persons for this program. Students of 3rd and 5th Semester attended the event .

Other Activities Continued.....

- ◆ The Department of Electronics and Communication organized a Technical seminar titled **“Introduction & Insight on Python Programming”** by Mr. Syed Moin ul Hassan, R&D Engineer, Nokia Networks on 16/09/2017. The students of VII semester attended the seminar
- ◆ The Department of Electronics and Communication organized a hands-on session on **“Object Oriented Programming using C++”** by Prof. Shaik Imam & Prof. Naazneen M G on 6/10/2017. The students of V semester attended the session.
- ◆ An Industrial visit to BHEL was arranged on 31/10/17. All the VII semester students were taken to BHEL.
- ◆ An industrial visit to ISRO was arranged on 09/11/17. All the V semester students were taken to ISRO.
- ◆ A reinforcement session was organized on Management and Entrepreneurship entitled **“How to Think As an Entrepreneur”** by Mr. Syed Hidayath-ulla Hussaini, founder & CEO, CAB-TO, Bangalore, on 07/11/2017. The students of V semester attended the session.
- ◆ Reinforcement class was conducted on **“Accessing File I/O”** for V Sem students on
- ◆ A session entitled **“Creative Thinking Customer Experience Management & Facing An Interview”** by Mr. Syed Saifuddin, Associate General Manager Concentrix Limited, Bangalore was conducted 11/11/2017. The students of VII semester attended the session.
- ◆ A SDP on **“Difference Equation & Filter Design using MATLAB”**, was conducted on 11th November 2017, Prof. Hussain Ahmed, Mr. Surendra K V, Mrs. Nikhath Tabassum, Ms. Shireen Fathima & Mrs. Nida Maheen were the resource person for the event.
- ◆ The Department of Electronics and Communication organized a Industry-Institute interaction event entitled **“Development of IOT using Raspberry Pi & Python”** on 14/11/2017 by Mohammed Atha, CEO & Founder, Invention Technologies & Business Solutions LLP, Bangalore. The students of VII semester attended the seminar.
- ◆ The Department of Electronics and Communication organized an extended lecture on **“Laplace Transforms”** by Prof. Hussain Ahmed, HOD EC on 13/11/17 (Monday).

Contact us

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Obituary

The management, Principal, Staff members of HKBK College of Engineering express their condolence on the death of our esteemed student Mohammed Dastagir Pasha and Roohi Naaz of 3rd semester E&C. The HOD and the Staff of E&C Dept. would like to express their solidarity with the family of the departed .

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