

HKBK
College of Engineering
Approved by AICTE & Affiliated to VTU

<http://hkbk.edu.in/>

2016 - 17



PROSPECTUS



C.M. Ibrahim

Founder Chairman

“The Future of our country depends on outlook and behaviour of our students. The graduates emerging from the portals of an educational institution should possess at least minimal moral values. A college is a platform to be model acceptable by the society. They should not only excel in subject matter, they should develop their traits and add value to life and should become a role model!”



C.M. Faiz Mohammed

Director

At HKBK college of engineering, our vision is based on hard work, dedication, discipline and determination with a strong emphasis on teamwork & shouldering high level of responsibility. This culture allows out students not only adopt themselves to the present day challenge but also accept individual responsibility to the family, society and nation.

The institute has set specific objectives and activity plans for achieving excellence in all areas of quality technical education. We strongly believe in achieving academic excellence through high standards in teaching, career guidance and moulding team players. At HKBK college of Engineering, we emphasise on creating technical competence and readily employable technocrats and managers for the corporate organizations.

The testimony is that the institution has emerged as a one stop destination for meeting the technical man power need of corporate of repute and the country's prestigious defense forces.



Dr. Chaitanya Kumar

Principal

“Every Student has hidden traits and in most of the cases it will be in a dormant state. It is the responsibility of the college to create an atmosphere wherein the students realizes their potential and exploit it to achieve excellence. It is here that we provide opportunities to develop technical skills and help students to achieve desired level of competencies, apart from their scholastic achievements and add new dimensions of substantive impact on their future career”

WELCOME TO THE
WORLD OF TOMORROW





HKBK College of Engineering, the most sought-after institution for technical education is located at Nagawara, about 7km from the heart of the Bangalore city. Acclaimed as one of the best-equipped institutions in the country. HKBKCE offers a range of degree courses in engineering for the young minds who desire to achieve technical knowledge, industry insights and soft skills. The institution has the curriculum as required by the University which includes well equipped labs, spacious classrooms, extensive library and separate hostel for boys and girls.

Our focus is to provide the best possible education that translates into a lifetime of learning. Each student is neither a face in the crowd nor a passive learner, individuality is recognized and groomed. We completely understand the purpose of providing quality education. At HKBKCE, this challenge is supported by a highly personalized approach to your education, your goals, your dreams and your needs take on new meaning and each one of us will be there to support you.

HKBKCE provides effective learning opportunities through its well qualified and committed staff. The conducive teaching and resources are enhanced by frequently upgrading our facilities towards a wider range of learning resources. The programs are designed to prepare students for an increasingly competitive job market. Besides, high-interaction with the relevant industries at all levels to ensure our graduates acquire skills for a great career and a successful life. These factors assure every HKBKCE graduate not only a degree but also an impressive resume.

HISTORY

HKBK College of Engineering was established in 1997 under the aegis of Karnataka State Muslim Federation (KSMF) by Mr. C.M. Ibrahim a Former Union Minister (Ministry of civil aviation) & President KSMF.

CAMPUS PROFILE

Campus Area : 14 Acres existing
Instructional Space : 2 Lakh + Square Feet
Observed Holiday : As per Government/University Notification

UG Programs

Bachelor of Engineering

- Computer Science & Engineering
 - Information Science & Engineering
 - Electronics & Communication Engineering
 - Mechanical Engineering
 - Electrical & Electronics Engineering
 - Civil Engineering
-

Course Duration : 4 Years/8 Semesters

Eligibility : PUC-45% aggregate

Subjects : Physics, Mathematics, Chemistry/Biology or its Equivalent course with English as one of the subject.

The candidate should have cleared K-CET/CET/KRLM/COMED-K/AIEEE Test.

PG Programs

Master of Technology

- Computer Science & Engineering
 - Electronics
 - Machine Design*
-

Course Duration : 2 Years/4 Semesters

Eligibility : Admission to the Master of Technology Course shall be open to all the candidates who have passed B.E. / B.Tech. Examinations (in relevant field) of VTU or any other University/ institution or any other examination recognised as equivalent thereto.

The candidate should have cleared GATE or PG CET.

- MBA- Masters of Business Administration (VTU)
 - MB A- Masters of Business Administration (BU)
-

Course Duration : 2 Years/4 Semesters

Eligibility : Bachelor's Degree in any discipline with an aggregate of 50% inclusive of languages.

The candidate should have cleared K-Mat/COMED-K/Mat/CAT/PGCET Test.

Research Programs

ECE, ME, EEE, MBA,
CSE*, ISE*, Physics*, Mathematics*



COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering at HKBK College of Engineering (HKIBKCE) is recognized for its facilities and eminent faculty. The department works towards empowering students for professional and personal excellence. It has created a vibrant knowledge based environment which motivates students to explore new ideas and excel in academics.

The Department boasts of lab facilities that any student of this field might require. The well networked labs include internet facilities, the best computing hardware and peripherals and the latest software available in the market. The department regularly invites eminent personalities of various industries to conduct seminars and lectures. This helps students gain a better understanding of the current situation of the industry as well as gain information on varied topics ranging from latest trends to developments in the automation field.

The department also provides EDUSAT facility for students to keep abreast to the latest technologies via live sessions. With the best infrastructure available, the department motivates its students to think of innovative and unending possibilities in the field of Computer Science and transform these ideas into technological requirements of the industry. The department is committed to preparing graduates who are capable of contributing to development of computing technology.



Laboratories

Basic Computer/ Network Programming laboratory
Data Structure/ Object oriented Programming lab
Microprocessor laboratory
Algorithms/Shell Script Computer Design laboratory
Web Programming/Project laboratory
Data Base Management System/
Computer Graphics and Visual Programming laboratory

COMPUTER SCIENCE SYLLABUS

Engineering Maths-I
Engineering Physics
Elements of Civil Engg. & Mechanics
Elements of Mechanical Engg.
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Constitution of India, Professional Ethics and
Human Rights (CPH)
Language (Kan.)
Engineering Maths-II
Engineering Physics
Elements of Mechanical Engg.
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Constitution of India, Professional Ethics and
Human Rights
Language (Kan.)
Engineering Maths-I
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Language (Eng.)
Engineering Maths-II
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Language (Eng.)
Engineering Mathematics – III
Analog and Digital Electronics
Data Structures and Applications
Computer Organization
Unix and Shell Programming
Discrete Mathematical Structures
Analog and Digital Electronics Laboratory
Data Structures Laboratory
Kannada/Constitution of India, Professional Ethics
and Human Rights
Engineering Mathematics - IV
Object Oriented Concepts
Design and Analysis of Algorithms
Microprocessors and Microcontrollers
Software Engineering
Data Communication
Design and Analysis of Algorithm Laboratory
Microprocessors Laboratory
Software Engineering
Systems Software
Operating Systems
Database Management Systems
Computer Networks - I
Formal Languages and Automata
Theory
Database Applications Laboratory
Systems Software & Operating
Systems Laboratory
Management and Entrepreneurship
Unix System Programming
Compiler Design

Computer Networks - II
Computer Graphics and Visualization
Elective I (Group-A)
Computer Graphics and Visualization
Laboratory
Unix System Programming and Compiler
Design Laboratory
Operations Research
Signals and Systems
Data Compression
Pattern Recognition
Stochastic Models and Applications
Programming Languages
Object-Oriented Modeling and
Design
Embedded Computing Systems

Programming the Web
Advanced Computer Architectures
Elective II (Group-B)
Elective III(Group-C)
Networks Laboratory
Web Programming Laboratory
Advanced DBMS
Digital Signal Processing
Java and J2EE
Multimedia Computing
Data Warehousing and Data
Neural Networks
Advanced DBMS
Digital Signal Processing
Java and J2EE
Multimedia Computing
Data Warehousing and Data
Neural Networks
Software Architectures
System Modeling and Simulation
Elective IV(Group-D)
Elective V(Group-E)
Project Work
Seminar
Wireless Networks and Mobile Computing
Web 2.0 and Rich Internet Applications
VLSI Design and Algorithms
Network Management Systems
Information and Network Security
Microcontroller-Based Systems
Ad-hoc Networks
Software Testing
ARM Based System Design
Services Oriented Architecture
Clouds, Grids and Clusters
Multi-core Architecture and



INFORMATION SCIENCE & ENGINEERING



The lifestyle changes every day. These changes are one or other way made by the IT professionals. The Information Science and Engineering branch is thriving to provide such changes to make the life much easier today than yesterday. The faculty members of this department work together to achieve this goal to become reality. ISE department has got dedicated, motivated faculty members to produce their best efforts be transferred to the students. The knowledge and talent transformation process should be effective in this competitive world. The department achieve this goal through the faculty. Students are monitored and provided special training till the placements.



Faculty members closely monitor the progress of students and provides them additional coaching whenever required. One-to-one project guidance is provided to students by the faculty and continuous guidance is given to the students till the completion of the project. Apart from academics, students have been trained on soft skills to face the changing requirement of Industry. Experts from the industry are called to conduct various programs. Department conducts regular seminars and workshops in association with the industry to equip the students with practical insight into the corporate world and help the students to incorporate these technologies in their specialization.

Laboratories

- Project Lab
- Programming Lab
- Web Programming Lab
- Database Application Lab
- Network Lab
- Microprocessor Lab

INFORMATION SCIENCE SYLLABUS

Engineering Physics
Elements of Civil Engineering and Mechanics
Elements of Mechanical Engineering
Basic Electrical Engineering
Workshop Practice
Engineering Physics Laboratory
Language – English
Engineering Mathematics -II
Engineering Chemistry
Programming in C and Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Laboratory
Engineering Chemistry Laboratory
Environmental Studies
Engineering Mathematics
Analog and Digital Electronics
Data Structures and Applications
Computer Organization
Unix and Shell Programming
Discrete Mathematical structures
Analog and Digital Electronics Laboratory
Data Structures Laboratory
Engineering Mathematics
Software Engineering
Design and Analysis of Algorithms
Microprocessors and microcontrollers
Object Oriented Programming with JAVA
Data communications
Design and Analysis of Algorithm Laboratory
Microprocessors Laboratory
Advanced DBMS
Advanced Software Engineering
Artificial Intelligence
C Programming and .Net
Data Warehousing and Data Mining
Digital Image Processing
Embedded Computing Systems
Fuzzy Logic
Game Theory
Information Systems
JAVA and J2EE
Multimedia Computing
Networks Laboratory
Neural Networks
Object Oriented Modeling and Design
Programming the Web
Storage Area Networks
Web Programming Laboratory
Ad-hoc Networks
Clouds, Grids and Clusters
Decision Support Systems
Information Retrieval
Information and Network Security
Microcontroller-Based Systems
Network Management Systems
Project Work
Seminar
Services Oriented Architecture
Software Architectures
Supply Chain Management
System Modeling and Simulation
User Interface Design
Web 2.0 and Rich Internet Applications
Wireless Networks and Mobile Computing



ELECTRONICS & COMMUNICATION ENGINEERING

Electronics and Communication Engineering is one of the most sought after branches of Engineering and Technology in the modern day. The department has an efficient and dedicated team of staff. The staff members meticulously plan, train and guide the students in their academic activities. We conduct counseling to identify the below average students and motivate them to achieve higher academic levels by conducting tutorial and additional coaching classes.

The department of E&C has 8 separate laboratories. We have Communication laboratory, Analog Circuits laboratory, Digital Circuits and Microprocessor laboratory and the Computer laboratory. The department encourages the students to take up innovative projects as a part of the VTU curriculum.

The department has technically equipped labs with the state of Art equipments and industry standard software tools. The digital library has an excellent collection of Books, Journals, Cds which is utilized by staff and students.



Laboratories

- Analog Lab
- Project Lab - Avemby's Incubation Centre
- Communication Lab
- Digital Lab
- Micro controller / Microprocessor Lab
- VLSI / HDL Lab
- Advance Communication Lab
- Power Electronics Lab

ELECTRONICS & COMMUNICATION SYLLABUS

Engineering Maths-I
Engineering Physics
Elements of Civil Engg. & Mechanics
Elements of Mechanical Engg.
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Constitution of India, Professional Ethics and Human Rights (CPH)
Language (Kan.)
Engineering Maths-II
Engineering Physics
Elements of Mechanical Engg.
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Constitution of India, Professional Ethics and Human Rights
Language (Kan.)
Engineering Maths-I
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Language (Eng.)
Engineering Maths-II
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Language (Eng.)
Engineering Mathematics –III*
Analog Electronics
Digital Electronics
Network Analysis
Electronic Instrumentation
Engineering Electromagnetics
Analog Electronics Lab
Digital Electronics Lab
Additional Mathematics - I
Engineering Mathematics –IV*
Microprocessor
Control Systems
Signals and Systems
Principles of Communication Systems
Linear Integrated Circuits
Microprocessor Lab
Linear ICs and Communication Lab
Additional Mathematics - II
Management and Entrepreneurship
Digital Signal Processing
Analog Communication
Microwaves and Radar
Information Theory and Coding
Fundamentals of CMOS VLSI
DSP Lab

Analog Communication +LIC Lab
Digital Communication
Microprocessors
Microelectronic Circuits
Antenna and Propagation
Operating Systems
Elective-1
Analog Mixed Mode VLSI
Satellite 10EC663, Communication
Random Process
Low power VLSI Design
Data Structures using C++
Digital System Design Using Verilog
Virtual Instrumentation
Advanced communication Lab
Microprocessor Lab
Computer Communication Networks
Optical Fiber Communication
Power Electronics
Embedded System Design
Elective2
DSP algorithms and Architecture
Micro and smart systems Technology
Artificial Neural Network
CAD for VLSI
Applied Embedded System Design
Speech Processing
Elective 3:
Programming in C++
Real Time Systems
Image Processing
Radio Frequency Integrated Circuits
Wavelet Transforms
Modeling and Simulation of Data Networks
VLSI Lab
Power Electronics lab
Wireless Communication
Digital Switching System
Elective IV
Distributed Systems
Network Security
optical Networks
High performance Computing Networks
Internet Engineering
Elective V
Multimedia Communication
Real time Operating systems
GSM
Ad- Hoc Wireless Networks
Optical Computing
Project
Seminar



ELECTRICAL & ELECTRONICS ENGINEERING



Department of Electrical & Electronics Engineering is focusing on training the students to face the new challenges in the field of Electrical Engineering.

Since its establishment in 2002, the Department of Electrical & Electronics Engineering is continuously involved in improving the quality of the students. The department has well equipped laboratories and well trained faculty members. Students draw on the expertise and knowledge of our faculty in laboratories and classrooms with challenging and interesting course work.



The department has seven well equipped Laboratories as per the requirement of VTU. The various Labs include Analog Electronics Lab, Micro controller Lab, DC Machines and Synchronous Machines Lab, Circuit Simulation Measurement Lab, Transformers and Induction Machines lab, Control systems Lab, Power system Simulation Lab, Relay & High Voltage Lab.

The department has a Project Lab of facilitate the student to do their project work during their course. The department has a mini library and a very spacious seminar

Laboratories

AC Machine Lab
DC Machine Lab
Transformer Lab
Measurements Lab
Power Systems Simulation Lab

ELECTRICAL & ELECTRONICS SYLLABUS

Engineering Mathematics-1
Engineering Physics
Elements of Civil Engg. & Mechanics
Computer aided engineering
Elements of Mechanical Engineering
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Functional English
Engineering Maths-II
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Engineering Mathematics-III
Electric Circuit Analysis
Transformers and Generators
Analog Electronic Circuits
Digital System Design
Electrical and Electronic Measurements
Electrical Machines Laboratory-1
Electronics Laboratory
Engineering Mathematics-IV
Power Generation and Economics
Transmission and Distribution
Electric Motors
Electromagnetic Field Theory
Operational Amplifiers and Linear Ics
Electrical Machines Laboratory-1
Op- amp and Linear ICs Laboratory
Management and Entrepreneurship
Signals and Systems
Transmission and Distribution
Field Theory
Modern Control Theory
DC Machines & Sync. Machines
Instrumentation & Control System Lab
D.C. Machines and Synchronous Machines Laboratory
Power System
Analysis and Stability
Power Electronics
Electrical Machine Design
Digital Signal Processing
Computer Aided Electrical Drawing
Elective-I (Group A)
Power Electronics Lab
System Modeling & Control Lab
Computer Techniques in Power System Analysis

Electrical Power Utilization
High Voltage Engineering
Industrial Drives and Applications
Elective-II (Group B)
Elective-III
(Group C)
Relay and High Voltage Laboratory
Power System Simulation Laboratory
Electrical Design, Estimating and Costing
Power System Operation and Control
Elective-IV (Group D)
Elective-V (Group E)
Project Work
Seminar



MECHANICAL ENGINEERING

Mechanical Engineering is the only universal branch of conventional engineering the mechanical engineering department of this college is equipped with the state of the art machines and equipments in all the laboratories. The Department has foundry equipments for melting of materials which is used in research development of new metals. The department is also equipped with high end CAD/CAM and Solid Edge software and CNC Machines in its CAD/CAM Lab, which caters to academics, research and analysis.

A wide range of the latest state-of-the-art testing equipments ranging from testing of Mechanical properties of materials to the heat transfer to testing of fuels and engines, to testing of turbines and pumps are available in the department. The classrooms in the department confirm with the AICTE norms and are equipped with audio/visual aids. Our students are exposed to the latest software related to Mechanical Engineering application. The department also has an ISTE student's chapter under which lectures, seminars, workshops have been organized on latest trends and developments in the field of Mechanical Engineering. Some of the projects carried out by our students have brought laurels to the dedication, sincere and hard work of the students and faculty members.



Laboratories

Measurement and Metrology Lab
Foundry Lab
Energy Lab
Heat and Mass Transfer Lab
Machine Shop
Material Testing Lab

Metallographic Lab
Auto CAD Lab
Design Lab
CAD/CAM Lab

MECHANICAL ENGINEERING SYLLABUS

Engineering Mathematics-I
Engineering Physics
Elements of Civil Engineering and Mechanics
Elements of Mechanical Engineering
Basic Electrical Engineering
Workshop Practice
Engineering Physics Laboratory
Language – English
Engineering Mathematics -II
Engineering Chemistry
Programming in C and Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Laboratory
Engineering Chemistry Laboratory
Environmental Studies
Engineering Mathematics – III
Materials Science
Basic Thermodynamics
Mechanics of Materials
Metal Casting and Welding
Computer Aided Machine Drawing
Materials Testing Lab
Machine Shop Laboratory
Engineering Mathematics-iv
Mechanical Measurement And Metrology
Applied Thermodynamics
Kinematics Of Machines
Machine Tools And Operations
Fluid Mechanics
Mechanical Measurements And
Metrology Lab
Foundry And Forging Lab
Management And Entrepreneurship
Design Of Machine Elements-i
Energy Engineering
Dynamics Of Machines
Manufacturing Process – Iii
(metal Forming Process)
Turbo Machines
Fluid Mechanics And Machines Laboratory
Energy Conversion Engineering Laboratory
Computer Integrated Manufacturing
Design Of Machine Elements – Ii
Heat And Mass Transfer
Finite Element Methods
Mechatronics & Microprocessor
Heat & Mass Transfer Laboratory
Computer Aided Modeling And Analysis Laboratory
Theory Of Elasticity
Mechanics Of Composite Materials
Refrigeration And Air Conditioning
Design Of Heat Exchanger
Non-traditional Machining
Knowledge Management
Project Management
Statistical Quality Control
Engineering Economy
Mechanical Vibrations
Hydraulics And Pneumatics
Operation Research
Mechanism Design

Theory Of Plasticity
Engineering Design
Non-conventional Energy Sources
Gas Dynamics
Management Information System
Automation In Manufacturing
Total Quality Management
Experimental Stress Analysis
Tool Design
Cryogenics
Smart Materials
Agile Manufacturing
Robotics
Finance Management
Product Life Cycle Management
Micro And Smart Systems Technology
Design Laboratory
Cim & Automation
Operation Management
Control Engineering
Tribology
Fracture Mechanics
Power Plant Engineering
Nanotechnology
Organizational Behaviour & Professional
Communication
Computer Graphics
Rapid Prototyping
Foundry Technology
Machine Tool Design
Industrial Engineering And Ergonomics
Biomass Energy Systems
Automotive Engineering
Database Management System
Artificial Intelligence
Design Of Experiments
Design For Manufacturing And Assembly



CIVIL ENGINEERING



Civil Department was established in the year 2012 in HKBK college of Engineering. The department has well established labs and research facility available and has achieved remarkable in academics and research, the students are groomed and made to develop skills in a jaunty atmosphere of the department.

The department has successfully completed a DST project in collaboration with the chemistry department and has published papers in Tier 1 journals and has gained strong hold on research capabilities. The department even has an Indian Patent to its credit. The department is continuously moving ahead with zeal of setting landmarks in innovation, service and research.

Seven batches of students have graduated from the portal leaving behind a trail of achievements, to summarize



Laboratories

Geology Lab
Geotechnical Lab
Concrete lab
Environmental Lab
Survey Lab

CIVIL ENGINEERING SYLLABUS

Engineering Mathematics-1
Engineering Physics
Elements of Civil Engg. & Mechanics
Computer aided engineering
Elements of Mechanical Engineering
Basic Electrical Engg.
Workshop Practice
Engg. Physics Lab
Functional English
Engineering Maths-II
Engineering Chemistry
Programming in C & Data Structures
Computer Aided Engineering Drawing
Basic Electronics
Computer Programming Lab
Engg. Chemistry Lab
Environmental Studies
Engineering Mathematics-III
STRENGTH OF MATERIALS
FLUIDS MECHANICS
BASIC SURVEYING
ENGINEERING GEOLOGY
Building Materials and Construction
BUILDING MATERIALS TESTING LABORATORY
BASIC SURVEYING PRACTICE
Engineering Mathematics-IV
Analysis of Determinate Structures
Applied Hydraulics
Concrete Technology
Basic Geotechnical Engineering
Advanced Surveying
Fluid Mechanics and Hydraulic Machines Laboratory
Engineering Geology Laboratory
management and entrepreneurship
design of RCC structural elements
structural analysis - II
geotechnical engineering - I
hydrology and irrigation engineering
transportation engineering - I
hydraulics and hydraulic machines lab
computer aided design lab
environmental engineering-I
design and drawing of RC structures
transportation engineering-II
geotechnical engineering - II
hydraulic structures and irrigation design -drawing
Theory of Elasticity
Alternative Building Materials and Technologies
Ground Improvement Techniques
advanced surveying
Ground Water Hydrology
rural water supply and sanitation
traffic engineering
Geotechnical Engineering Lab
Extensive Survey Viva Voce
environmental engineering-II
design of steel structures
estimation and valuation
design of pre stressed concrete structures
Matrix Method of Structural Analysis
Advanced design of RC structures
Design of masonry structures

Earth and Earth Retaining Structures
Highway Geometric Design
Open Channel Hydraulics
Solid Waste Management
Numerical methods in Civil Engineering
Rock Mechanics
Pavement Materials and Construction
Photogrammetry and Remote Sensing
Air Pollution and Control
Design and Drawing of Bridges
Structural Dynamics
Environmental Engineering. Lab
Concrete and Highway Materials Lab
Advanced Concrete Technology
Design and Drawing of Steel Structures
Advanced Pre-stressed Concrete Structures
Advanced Foundation Design
Pavement Design
Earthquake Resistant Design of Structures
Industrial Waste Water Treatment
Construction Management & Engineering Economics.
Finite Element Analysis
Reinforced Earth Structures
Urban Transport Planning
Geographic Information System
Advanced Design of Steel Structures
Water Resources Engineering
Environmental Impact Assessment
Project Work
Seminar



BASIC SCIENCES



Basic Sciences form a platform for the development of technology. The advancement in technology is a result of the intensive research & development in the different areas of basic sciences.

The department aims at imparting knowledge of different aspects of Basic Sciences useful in Engineering and Technology for the students of all engineering disciplines. In-depth knowledge of Basic-Science is of paramount importance in the learning of any branch of engineering and technology.

The Basic Science department staff always motivate the students towards greater attention and hard labour, which the subject demands. The upgrade of the department is an ongoing process in procuring the advanced apparatus and other necessary equipment as per VTU.

The Staff is constantly in touch with the latest developments in various fields of science & technology and imparts the same to the students. Most of our professors are associated with the research & development and have successfully published scientific papers. The department has successfully implemented week student support programs with excellent results. This has been a morale booster towards achieving academic excellence.

Laboratories

Chemistry Lab
Physics Lab
Basic Workshops
CAED Lab
CCP Lab
English Lab



MASTER OF BUSINESS ADMINISTRATION

HKBKCE identified the need for management education due to the convergence of economics & technology and started offering MBA course of VTU in the year 2006. That is the milestone in its journey towards providing quality education. The programme combines management education with Indian values and to uses real time interaction with corporate for value added learning. Today's workforce responds to leadership that follows a coaching or mentoring model.

Successful leaders work with the aim of reflecting their innovative methods and unique vision. Keeping in tune with the above change, the department derived a teaching pedagogy that creates leaders for the next generation corporate world. The watch words are discipline, dedication and determination. In confirming with the mission, the department of management studies is imparting, short term compulsory value added courses.

Studying management at HKBKCE would offer students the best In strategic knowledge, industry insight, life skills and successful adaptation to real time business situations. The college has qualified and experienced faculty members committed to help students achieve their professional goals and success in any work environment.

The educational pedagogy ensures that the students come out confident. Enthusiastic and competitive to face the challenges of the corporate World.

MBA SYLLABUS

Management & Organizational Behavior
Managerial Economics
Accounting for Managers
Quantitative Methods
Marketing Management
Managerial Communication
Human Resource Management
Financial Management
Research Methodology
Business Law and Policy
Strategic Management
Entrepreneurship Development
Consumer Behavior
Retail Management
Services Marketing
Principles & Practices of Banking
Investment Banking & Financial Services
Investment Management
Industrial Relations & Legislations
Recruitment & Selection
Compensation & Benefits
Sales Management
Integrated Marketing Communication
E-Marketing
Public Relations
Workplace Ethics & Value Systems
International Human Resource Management
Mergers, Acquisitions & Corporate Restructuring
Risk Management and Insurance
Tax Management

CO-CURRICULAR ACTIVITY



ACHIEVERS

**Shambhavi A (1HK09EC094) from 8th semester ECE, VTU III Rank,
13th Annual convocation, May 2014, Dept. of Electronics and Communication Engineering**



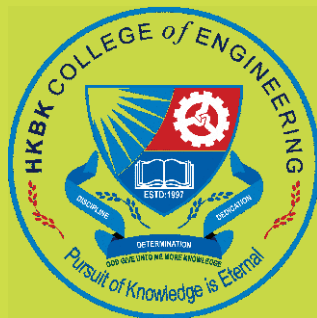
**Department of Electronics and Communication Engineering, Secured 1st Rank in
M.Tech (Electronics), and was awarded a Gold Medal in the 14th Convocation Function, VTU**



**Ms. Sameeha Ameer (1HK09IS036) from ISE awarded VTU III Rank in
13th Annual Convocation, May 2014, Dept. of Information Science & Engineering**



CAMPUS RECRUITMENT



HKBK
College of Engineering

Approved by AICTE & Affiliated to VTU

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