

HKBK
College of Engineering
Approved by AICTE & Affiliated to VTU

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

2018 - 19



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.



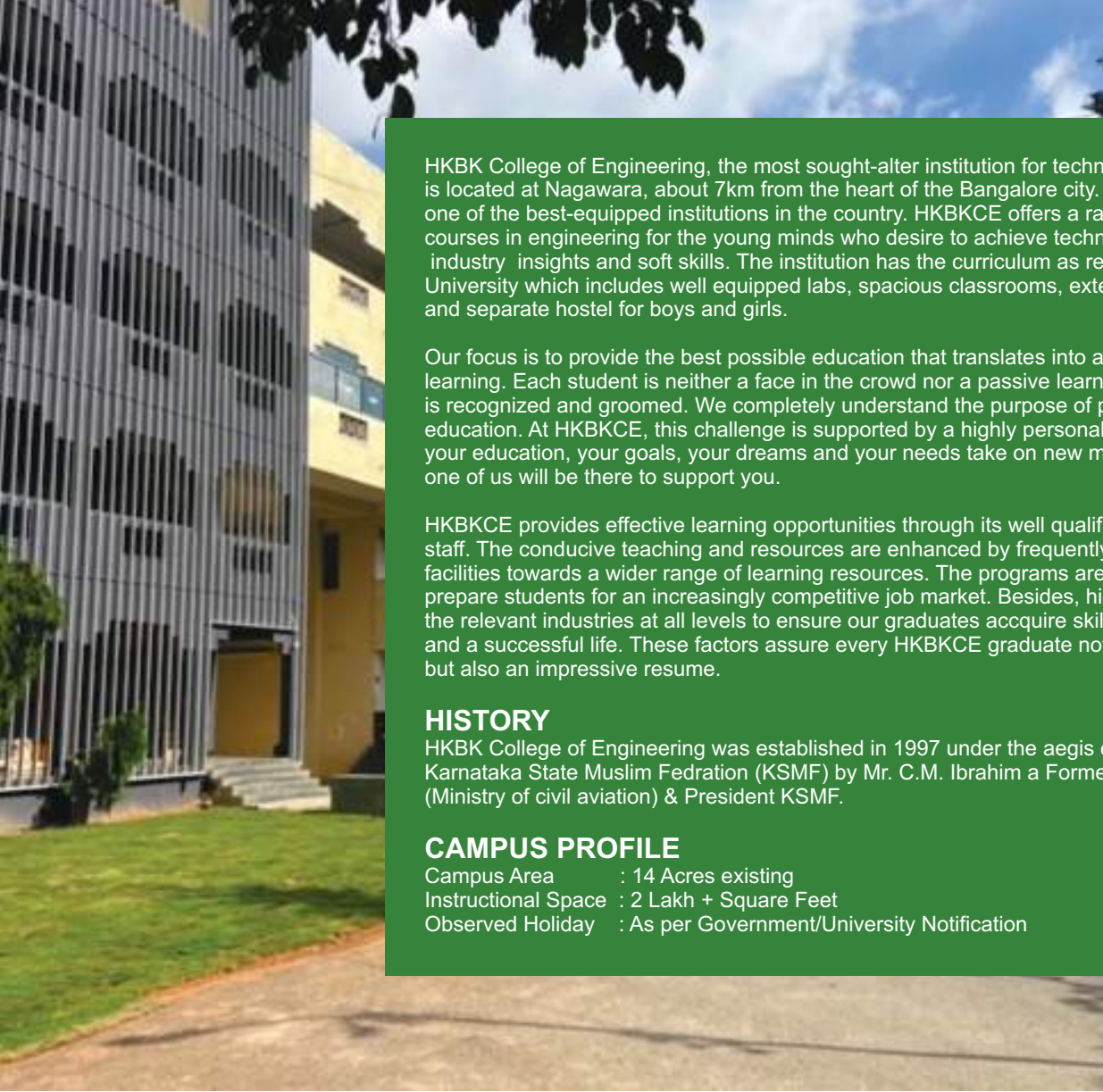
Dr. Muzzamil Ahamed

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

1st/ 2nd semester

Calculus and linear algebra
Engineering Physics
Basic electrical engineering
Elements of civil engineering and mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic electrical engineering laboratory
Technical English-I
Advanced Calculus and numerical methods
Engineering Chemistry
C Programming for problem solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Technical English-II

3rd Semester

Transform Calculus, Fourier Series and
Numerical Techniques
Data Structures and Applications
Analog and Digital Electronics
Computer Organization
Software Engineering
Discrete Mathematical Structures
Analog and Digital Electronics Laboratory
Data Structures Laboratory
Vyavaharika Kannada (Kannada for communication)/
Aadalitha Kannada (Kannada for Administration)
Constitution of India, Professional Ethics and Cyber Law

4th Semester

Complex Analysis, Probability and Statistical Methods
Design and Analysis of Algorithms
Operating Systems
Microcontroller and Embedded Systems
Object Oriented Concepts
Data Communication
Design and Analysis of Algorithm Lab
Microcontroller and Embedded Systems Lab

5th semester

Management and Entrepreneurship for IT Industry
Computer Networks
Database Management System
Automata theory and Computability
Computer Network Laboratory
DBMS Laboratory with mini project

6th semester

Cryptography, Network Security and Cyber Law
Computer Graphics and Visualization
System Software and Compiler Design
Operating Systems
System Software and Operating System lab
Computer Graphics Laboratory with mini Project

7th semester

Web Technology And Its Application
Advanced Computer Architecture
Machine Learning
Natural Language Processing
Cloud Computing And Its Application
Digital Image Processing
Unix System Programming
Soft And Evolutionary Computing
Computer Vision And Robotics
Human Computer Interaction
Storage Area Networks
Machine Learning Laboratory
Web Technology Laboratory With Mini Project
Project Phase 1 + Seminar

8th Semester

IoT Technology
Big Data Analytics
High Performance Computing
User Interface Design
Network Management
System Modelling And Simulation
Internship / Professional Practise
Project Work Phase II



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

1st/ 2nd semester

Calculus and linear algebra
Engineering Physics
Basic electrical engineering
Elements of civil engineering and mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic electrical engineering laboratory
Technical English-I
Advanced Calculus and numerical methods
Engineering Chemistry
C Programming for problem solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Technical English-II

3rd Semester

Transform Calculus, Fourier Series
And Numerical Techniques
Data Structures and Applications
Analog and Digital Electronics
Computer Organization
Software Engineering
Discrete Mathematical Structures
Analog and Digital Electronics Laboratory
Data Structures Laboratory
Vyavaharika Kannada (Kannada for communication)
Aadalitha Kannada (Kannada for Administration)
Constitution of India, Professional Ethics
and Cyber Law

4th Semester

Complex Analysis, Probability And Statistical Methods
Design and Analysis of Algorithms
Operating Systems
Microcontroller and Embedded Systems
Object Oriented Concepts
Data Communication
Design and Analysis of Algorithm Lab
Microcontroller and Embedded Systems Lab

5th semester

Management and Entrepreneurship for IT Industry
Computer Networks
Database Management System
Automata theory and Computability
Professional Elective-1
Python Application Programming
Computer Network Laboratory
DBMS Laboratory with mini project
Object Oriented Modeling and Design
Social Network Analysis
Advanced JAVA and J2EE
Programming Languages

6th semester

Cryptography, Network Security and Cyber Law
File Structure
Software Testing
Operating Systems
Data Mining and Data Warehousing
Python Application Programming
Distributed Computing system
Software Testing Laboratory
File Structures Laboratory with Mini Project

7th semester

Web Technology And Its Applications
Software Architecture And Design Patterns
Machine Learning
Natural Language Processing
Cloud Computing And Its Applications
Information And Network Security
Unix System Programming
Soft And Evolutionary Computing
Computer Vision And Robotics
Information Management System
Storage Area Networks
Machine Learning Laboratory
Web Technology Laboratory With Mini Project

8th Semester

Internet Of Things Technology
Big Data Analytics
High Performance Computing
Modern Interface Design
Virtual Reality
System Modelling And Simulation
Internship / Professional Practise
Project Work Phase II



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

1st/ 2nd Semester

Calculus and Linear Algebra
Engineering Physics
Basic Electrical Engineering
Elements of Civil Engineering and
Mechanics
Engineering Graphics
Engineering Physics
Laboratory
Basic Electrical Engineering Laboratory
Engineering Chemistry
C Programming for Problem Solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Language Laboratory –I (English)
Advanced Calculus and Numerical methods
Engineering Chemistry
C Programming for Problem Solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Language Laboratory –II (English)
Advanced Calculus and Numerical methods
Engineering Physics
Basic Electrical Engineering
Elements of Civil Engineering and
Mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic Electrical Engineering Laboratory
Language Laboratory –II (English)

3rd Semester

Transform Calculus, Fourier Series and
Numerical Techniques
Network Theory
Electronic Devices
Digital System Design
Computer Organization & Architecture
Power Electronics & Instrumentation
Electronic Devices & Instrumentation Laboratory
Digital System Design Laboratory
Vyavaharika Kannada (Kannada for communication)/
Aadalitha Kannada (Kannada for Administration)
Additional Mathematics - I

4th semester

Complex Analysis, Probability and Statistical Methods
Analog Circuits
Control Systems
Engineering Statistics & Linear
Algebra
Signals & Systems
Microcontroller
Microcontroller Laboratory
Analog Circuits Laboratory
Constitution of India, Professional Ethics
and Cyber Law
Additional Mathematics – II

5th Semester

Management and Entrepreneurship Development
Digital Signal Processing
Verilog HDL
Information Theory & Coding
Professional Electives
Nanoelectronics
Switching & Finite Automata Theory
Operating System
Electrical Engineering Materials
MSP430 Microcontroller
Automotive Electronics
Object Oriented Programming Using C++
8051 Microcontroller
DSP Lab
HDL Lab

6th Semester

Digital Communication
ARM Microcontroller & Embedded Systems
VLSI Design
Computer Communication Networks
Cellular Mobile Communication
Adaptive Signal Processing
Artificial Neural Networks
Digital Switching Systems
Microelectronics
Data Structures Using C++
Power Electronics (not for E&C students)
Digital System Design using Verilog
Embedded Controller Lab
Computer Networks Lab

7th Semester

Microwave and Antennas
Digital Image Processing
Power Electronics
Professional Elective-3
Multimedia Communication
Biomedical Signal Processing
Real Time Systems
Cryptography
CAD for VLSI
DSP Algorithms and Architecture
IoT and Wireless Sensor Networks
Pattern Recognition
Advanced Computer Architecture
Satellite Communication
Advanced Communication Lab
VLSI Lab
Project Work Phase–I + Project work Seminar

8th Semester

Wireless Cellular and LTE 4G
Broadband
Fiber Optics & Networks
Professional Elective-5
Micro Electro Mechanical Systems
Speech Processing
Radar Engineering
Machine learning
Network and Cyber Security
Internship/Professional Practice
Project Work
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

1st/ 2nd semester

Calculus and linear algebra
Engineering Physics
Basic electrical engineering
Elements of civil engineering and mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic electrical engineering laboratory
Technical English-I
Advanced Calculus and numerical methods
Engineering Chemistry
C Programming for problem solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Technical English-II

3rd Semester

Transform Calculus,
Fourier Series and Numerical Techniques
(Common to all Branches)
Electric Circuit Analysis
Transformers and Generators
Analog Electronic Circuits
Digital System Design
Electrical and Electronic Measurements
Electrical Machines Laboratory -1
Electronics Laboratory
Vyavaharika Kannada (Kannada for communication)
Aadalitha Kannada (Kannada for Administration)
Constitution of India, Professional Ethics and
Cyber Law

4th semester

Complex analysis, probability and statistical methods
Power Generation and Economics
Transmission and Distribution
Electric Motors
Electromagnetic Field Theory
Operational Amplifiers and Linear Ics
Electrical Machines Laboratory -2
Op- amp and Linear ICs Laboratory

5th semester

Management and Entrepreneurship
Microcontroller(Core)
Power Electronics(Core)
Signals and Systems(Core)
Estimating and Costing
Renewable Energy Systems
Microcontroller Laboratory
Power Electronics Laboratory

6th Semester

Control Systems(Core)
Power System Analysis – 1(Core)
Digital Signal Processing(Core)
Electrical Machine Design(Core)
Energy Audit and Demand side Management
Computer Aided Electrical Drawing
Sensors and Transducers
Control System Laboratory
Digital Signal Processing Laboratory

7th Semester

Power System Analysis - 2
Power System Protection
High Voltage Engineering
Utilization of Electrical Power
Testing and Commissioning of
Power System Apparatus
Laboratory
Rely and High Voltage Laboratory

8th Semester

Power System Operation and Control
Industrial Drives and Applications
Professional Elective – V
Internship / Professional Practice
Project Work Phase –II
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

1st/ 2nd semester

Calculus and linear algebra
Engineering Physics
Basic electrical engineering
Elements of civil engineering and mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic electrical engineering laboratory
Technical English-I
Advanced Calculus and numerical methods
Engineering Chemistry
C Programming for problem solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Technical English-II

3rd Semester

Transform Calculus, Fourier Series and
Numerical Techniques
Mechanics of Materials
Basic Thermodynamics
Material Science
Metal cutting and Forming
Computer aided Machine drawing
Material Testing lab
Workshop and Machine shop Practice
Vyavaharika kannada/ Aadalitha Kannada

4th Semester

Complex Analysis, Probability and Statistical Methods
Applied Thermodynamics
Fluid Mechanics
Kinematics of Machines
Metal Casting and welding
Mechanical Measurements and Metrology
Mechanical Measurements and Metrology lab
Foundry and forging lab
Constitution of India, Professional Ethics and

5th Semester

Management and Engineering Economics
Dynamics of Machinery
Turbo Machines
Design of Machine Elements -I
Refrigeration and Air-conditioning
Optimization Techniques
Theory of Elasticity
Energy and Environment
Human Resource Management
Automation and Robotics
Non Traditional Machining
Project Management
Fluid Mechanics & Machinery Lab
Energy Lab

6th semester

Finite Element Analysis
Computer integrated Manufacturing
Heat Transfer
Design of Machine Elements -II
Computational Fluid Dynamics
Energy Auditing
Mechanics of Composite Materials
Industrial Safety
Metal Forming
Maintenance Engineering
Tool Design
Total Quality Management
Automobile Engineering
Heat Transfer Lab
Modeling and Analysis Lab(FEA)

7th semester

Energy Engineering
Fluid Power Systems
Control Engineering
Design of Thermal Equipments
Automotive Electronics
Tribology
Fracture Mechanics
Financial Management
Mechatronics
Design for Manufacturing
Advanced Vibrations
Smart Materials & MEMS
Design Lab
CIM Lab
Project Phase – I

8th Semester

Operations Research
Additive Manufacturing
Cryogenics
Experimental Stress Analysis
Theory of Plasticity
Green Manufacturing
Product life cycle management
Internship / Professional Practice
Project Phase – II
Seminar



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

1st/ 2nd semester

Calculus and linear algebra
Engineering Physics
Basic electrical engineering
Elements of civil engineering and mechanics
Engineering Graphics
Engineering Physics Laboratory
Basic electrical engineering laboratory
Technical English-I
Advanced Calculus and numerical methods
Engineering Chemistry
C Programming for problem solving
Basic Electronics
Elements of Mechanical Engineering
Engineering Chemistry Laboratory
C Programming Laboratory
Technical English-II

3rd semester

Transform Calculus, Fourier Series
and Numerical Techniques
Strength of Materials
Fluid Mechanics
Building Materials and Construction
Basic Surveying
Engineering Geology
Computer Aided Building Planning & Drawing
Building Materials Testing Laboratory
Vyavaharika Kannada (Kannada for communication)
Aadalitha Kannada (Kannada for Administration)
Constitution of India, Professional Ethics
and Cyber Law
Additional Mathematics - I

4th semester

Complex Analysis, Probability And Statistical Methods
Analysis of Determinate Structures
Applied Hydraulics
Concrete Technology
Advanced Surveying
Water Supply & Treatment Engineering
Engineering Geology Laboratory
Fluid Mechanics and Hydraulic Machines Laboratory
Vyavaharika Kannada (Kannada for Communication)
Aadalitha Kannada (Kannada for Administration)
Constitution of India, Professional Ethics
and Cyber Law
Additional Mathematics - II

5th semester

Design of RC Structural Elements
Analysis of Indeterminate Structures
Applied Geotechnical Engineering
Computer Aided Building Planning and Drawing
Air pollution and Control
Railways, Harbours, tunneling and Airports
Masonry Structures
Theory of Elasticity
Traffic Engineering
Sustainability Concepts in Engineering
Remote Sensing and GIS
Occupational Health and Safety
NCC
Geotechnical Engineering Laboratory
Concrete and Highway Materials Laboratory

6th semester

Construction Management and Entrepreneurship
Design of Steel Structural Elements
Highway Engineering
Water Supply and Treatment Engineering
Solid Waste Management
Matrix Method of Structural Analysis
Alternative Building Materials
Ground Improvement Techniques
Water Resource Management
Environmental Protection and Management
Numerical Methods and Applications
Finite Element Analysis
Software Application Laboratory
Extensive Survey Project /Camp

7th semester

Municipal and Industrial Waste Water Engineering
Design of RCC and Steel Structures
Hydrology and Irrigation Engineering
Design of Bridges
Ground Water & Hydraulics
Design Concept of Building Services
Structural Dynamics
Urban Transportation and Planning
Prefabricated Structures
Rehabilitation and Retrofitting of Structures
Reinforced Earth Structures
Environmental Engineering Laboratory
Computer Aided Detailing of Structures
Project Phase I +Project Seminar

8th semester

Quantity Surveying and Contracts
Design of Pre Stressed Concrete Elements
Earthquake Engineering
Hydraulic Structures
Pavement Design
Advanced Foundation Design
Internship/Professional Practice
Project Work
Seminar on current trends in Engineering
and Technology



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.

1st semester

Management & Organizational Behavior
Managerial Economics
Accounting for Managers
Business Statistics & Analytics
Marketing Management
Managerial Communication

2nd semester

Human Resource Management
Financial Management
Research Methodology
Legal and Business Environment
Strategic Management
Entrepreneurship Development

3rd semester

Consumer Behavior
Retail Management
Services Marketing
Banking and Financial Services
Investment Management
Direct Taxation
Recruitment & Selection
HR Analytics
Compensation & Reward System

4th semester

Sales Management
Integrated Marketing Communication
Digital and Social Media Marketing
Public Relations
Organizational Leadership
International Human Resource Management
Mergers, Acquisitions & Corporate Restructuring
Risk Management and Insurance
Indirect Taxation

CO-CURRICULAR ACTIVITY



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**



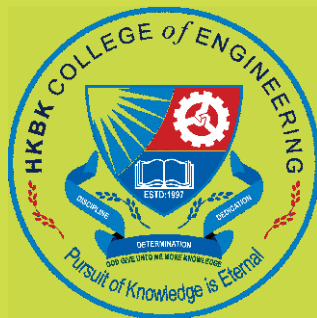
**Department of Electronics and Communication Engineering, Secured 1st Rank in
M.Tech (Electronics), and was awarded a Gold Medal in the 14th Convocation Function, VTU**



**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

HKBK College of Engineering
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