# Yearly Status Report - 2017-2018

| Part A | |
|---|---|
| **Data of the Institution** | |
| 1. Name of the Institution | **HKBK COLLEGE OF ENGINEERING** |
| Name of the head of the Institution | **Dr. Muzzamil Ahamed** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **08025441722** |
| Mobile no. | **9844011062** |
| Registered Email | **principal@hkbk.edu.in** |
| Alternate Email | **director@hkbk.edu.in** |
| Address | **#22/1 Nagwara** |
| City/Town | **Bangalore** |
| State/UT | **Karnataka** |
| Pincode | **560045** |

2. Institutional Status

| | |
|---|---|
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **private** |
| Name of the IQAC co-ordinator/Director | **Prof. Hussain Ahmed** |
| Phone no/Alternate Phone no. | **08025441722** |
| Mobile no. | **9880716564** |
| Registered Email | **hussainahmed.ec@hkbk.edu.in** |
| Alternate Email | **hussainahmedsaleh@gmail.com** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | https://hkbk.edu.in/aqar-2017-18/ |

## 4. Whether Academic Calendar prepared during the year

**Yes**

| | |
|---|---|
| if yes,whether it is uploaded in the institutional website: Weblink : | https://hkbk.edu.in/COE |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
|---|---|---|---|---|---|
| | | | | Period From | Period To |
| **1** | **B** | **2.07** | **2017** | **09-Jun-2017** | **08-Jun-2022** |

## 6. Date of Establishment of IQAC

**03-Aug-2015**

## 7. Internal Quality Assurance System

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|---|---|
| Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries |
| **Infosys foundation program** | **10-Aug-2017** **1** | **34** |
| **Soft skills, Aptitude training program** | **14-Aug-2017** **1** | **82** |

| Skill Development Program on Stimulating Entrepreneurship skills | 16-Feb-2018 1 | 122 |
|---|---|---|
| Workshop on model making using advanced robotics | 06-Apr-2018 2 | 66 |

L::asset('/'),'public/').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.$instdata->upload_special_status)}}

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## 8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| No Data Entered/Not Applicable!!! | | | | |
| No Files Uploaded !!! | | | | |

| **9. Whether composition of IQAC as per latest NAAC guidelines:** | **Yes** |
|---|---|
| Upload latest notification of formation of IQAC | [View Link] |
| **10. Number of IQAC meetings held during the year :** | **4** |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | **Yes** |
| Upload the minutes of meeting and action taken report | [View Uploaded File] |
| **11. Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** |

## 12. Significant contributions made by IQAC during the current year(maximum five bullets)

**Student Development Program, Faculty Development Program, Industry Institute interaction**

No Files Uploaded !!!

## 13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|---|---|

| | |
|---|---|
| To conduct certificate coueses | Two courses conducted |
| Value addition courses | Three courses |
| Internships | Twenty One students |
| Industrial Visits | Four hundred and ninety students visited industries |
| Bridge courses | Two course |
| Skill Development Program | Eight programs |
| Appointment of student counsellor | Appointed |
| Soft skill, aptitude and placement program | Three hundred and seventy six students attended |
| Placements | One hundred and eighty four out of Three hundred and ninety nine |
| Google Classroom | E-notes |
| No Files Uploaded !!! ||

| **14. Whether AQAR was placed before statutory body ?** | **Yes** |
|---|---|

| Name of Statutory Body | Meeting Date |
|---|---|
| Governing Council | 31-Dec-2018 |

| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | **Yes** |
|---|---|
| Date of Visit | 04-May-2017 |

| **16. Whether institutional data submitted to AISHE:** | **Yes** |
|---|---|
| Year of Submission | 2017 |
| Date of Submission | 19-Feb-2018 |

| **17. Does the Institution have Management Information System ?** | **Yes** |
|---|---|
| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | We use dedicated software ERP SAPINCE which is used as egovernance tool by Faculty members, Accounts department, Student community and Management. The following facilities are utilized by the students, parents and staff alike: The students can check the shortage of attendance, Internal Assessment Marks, Assignments, PPT's of the subject, Question Bank, solutions for the question bank, video lectures. Link is |

shared for better understanding of the subject round the clock. The class teacher updates the student's data including student's name, University Seat Number and Email id is stored section wise at the beginning of the semester, class time table, names of the faculty handling courses along with the class teachers name on the ERP portal. Faculties upload the attendance on the daily basis after the class. Faculty can upload notes, assignment, question bank, PPT from the time to time. Students get the access to this information and shortage of attendance through the mails. The staff can apply leave such as CL, EL, OOD, Sick Leave and Marriage Leave and review the status. Daily attendance like log in time and exit time can also be checked. Monthly pay slip is also generated. The SAPINCE has the accessibility from anywhere. The daily abstract is updated in SAPINCE. The hassle of maintaining piles of paperwork is reduced. The class teachers can extract consolidated report of all students with respect to attendance and IA marks. These reports are printed and dispatched to the parents. Admission department enrolls the student and generates the data base of all students admitted in the first year of admission. Each application consists of information about the candidate including date of birth, parents' phone number and address for communication ERP System automates and stream lines all the processes functioning within the boundaries of the institution to significantly improve the effectiveness of allocating and operating academic resources better. SAPINCE provides easy and quick access to the Head of the Department about staff time tables and students' attendance and IA marks. The parents are intimated about their wards performance like Internal Assessment Marks, Attendance Status, and Parents Teachers meeting is informed by sending SMS services like Gupshup.

## Part B

## CRITERION I – CURRICULAR ASPECTS

**1.1 – Curriculum Planning and Implementation**

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500

words

HKBK College of Engineering affiliated to VTU, follows the University curricula to impart the engineering knowledge to the students. The University process ensures that the curriculum meets the Industry expectations by revising it periodically. Curriculum: The University follows Choice Based Credit System and adopts Outcome Based Education (OBE) and Revised Blooms Taxonomy (RBT). Calendar of Events (CoE): Every Semester VTU provides academic calendar prior to the commencement of classes. Upon the release of the University calendar HKBKCE prepares the institutional calendar which is approved by Academic Council, which captures the entire semester events to ensure timely and effective holistic teaching learning process. Subject Allotment: Before the starting of the semester vacation the subject preference lists are collected from the faculties and according to their preferences the subjects are allocated. Generally HODs take the best decision in favour of their department, students and academics. Time Table: The respective departments prepare the department Time Table to accommodate theory, tutorial and laboratory courses. A well-constructed timetable can be comforting to the teachers and the students. Course Plan: The faculties prepare the course plan for their respective subjects allotted as per Time Table and CoE which is reviewed by the Subject Expert and approved by the HOD. Remedial Classes: Slow learners are identified after Internal Assessment and remedial classes are conducted to improve their performance. Remedial classes focuses course activities that help them to acquire and retain skills for longer time. Bridge Courses: Bridge Courses are planned and conducted for the second year students and diploma students to help them to understand the basic concepts of Mathematics. Mini Projects: Fast learners are encouraged to develop mini projects in their areas of interest. Assignments/Class tests: Assignments, Class tests are conducted during the semester in their respective subjects and some percentage of this marks is added along with Internal Assessment Marks. Laboratory experiments: Performance of the students in laboratory experiments is timely assessed and graded according to the performance. Learning Material: Faculties prepare the Hard copy / Softcopy Notes and provide the students with Moodle / Google classrooms along with Question Bank to improve the performance of students. Pedagogical Methods: Faculties are encouraged to use various innovative pedagogical methods to improve Teaching Learning Process. The following pedagogical methods are adopted by various faculties for regular lectures: • Power Point Presentation • Project Based Assignments • Edusat Feedback System: To improve the Teaching Learning process students' feedback is taken during the semester and necessary measures are taken by the HODs and the Principal. Co Attainment: The Curriculum delivery is planned and delivered to attain the Course Outcomes (COs). Curriculum gaps are identified and Guest lectures, SDP, Workshops are regularly arranged to bridge the gap. Course exit feedback: At the end of every semester course exit feedback is taken from the students and analysed to take corrective measures in teaching learning methods. Projects / Internship: Students are encouraged to do final year projects in industries thereby giving them the exposure to the recent trends in industries.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
|---|---|---|---|---|---|
| Infosys Campus Connect | NA | 25/08/2017 | 60 | YES | YES |
| Technical Skill Development | NA | 05/02/2018 | 60 | YES | YES |

| Course on Catia, solid works and Hyper mesh |
| --- |

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
| --- | --- | --- |
| MBA | MBA 16MBA14 Quantitative Methods | 01/07/2017 |
| BE | CSE 15CS53 Database Management System | 01/07/2017 |
| BE | ISE 15CS51 Management and Entrepreneurship for IT industry15CS52 Computer Networks 04 | 01/07/2017 |
| BE | ECE 15EC64 Computer Communication Networks | 01/07/2017 |
| BE | ME 15ME62 Computer integrated Manufacturing | 01/07/2017 |
| BE | CV 15CV54 Computer Aided Building Planning and Drawing | 01/07/2017 |
| BE | EEE 15EE64 Electrical Machine Design | 01/07/2017 |
| View Uploaded File | | |

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
| --- | --- | --- |
| BE | ECE 3rd Year | 07/08/2017 |
| BE | CSE 3rd Year | 07/08/2017 |
| BE | EEE 3rd Year | 07/08/2017 |
| BE | ISE 3rd Year | 07/08/2017 |
| BE | ME 3rd Year | 07/08/2017 |
| BE | CV 3rd Year | 07/08/2017 |
| Mtech | CSE 2nd Year | 07/08/2017 |
| MBA | MBA 2nd Year | 21/08/2017 |

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

|  | Certificate | Diploma Course |
| --- | --- | --- |
| Number of Students | 170 | 0 |

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction | Number of Students Enrolled |
| --- | --- | --- |
| Aptitude and Soft | 14/08/2017 | 385 |

| skills | | |
| --- | --- | --- |
| Full stack | 15/01/2018 | 82 |
| MBA | 02/05/2018 | 32 |
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1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
| --- | --- | --- |
| BE | ECE | 289 |
| BE | CSE | 145 |
| BE | EEE | 80 |
| BE | ISE | 156 |
| BE | ME | 9 |
| BE | CV | 37 |
| MBA | MBA | 59 |
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

| Students | Yes |
| --- | --- |
| Teachers | Yes |
| Employers | Yes |
| Alumni | Yes |
| Parents | Yes |

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

| Feedback Obtained |
| --- |
| HKBK College of Engineering has collected feedbacks from students, faculties, parents, alumni and employer to facilitate for the better improvement of the infrastructure, curriculum and course delivery project. The ultimate goal of feedback is to help the students reach autonomy. Different areas of concern were discussed with the respective Committees/Departments for the future developments. The proposals given by the different committees and departments were discussed in Academic Governing Council of the college for the necessary actions to be executed in near future. Along with all these, the strengths of the college are also taken into consideration for additional upgradation. The Feedback has been collected from the students and analysed in order to improve the quality of TeachingLearning Methodology and the attainment of Course Objective Process. This feedback, talks about the parameters of Punctuality and Regularity in Classes, the completion of syllabi in given time with a proper pace. The feedback throws light on the links concepts to real time examples to create interest and understanding of the subject and how this Stimulates curiosity among the students. Further it also manifests how the education in this institute motivates and inspires students to learn and digest the concepts clearly. The Alumni Survey is collected as a part of feedback mechanism to understand the program outcome and its efficiency. This further deals with the level of meeting expectation, progress in career after graduation, impact of training, motivation at Institute, Impact of training on personality, maturity, Social Skills, ability to make decisions, ability to manage finances and |

presentation skills at the workplace. This Survey includes the parameters like acquired knowledge in engineering fundamentals, capability in analysing and designing systems, ability to create innovative products in multidisciplinary areas, ethics, good communication and interpersonal skills with high moral values, desire for research and development and so on. The feedback from recruiting companies gives the valuable input to organize employability and skill oriented activities. This feedback is further discussed with the training and placement cell. The feedback form includes the parameters like strength of the students in engineering knowledge, ethics, individual and team work, communication, project management and finance and lifelong learning, modern tool usage and so on. Satisfaction survey and program exit feedbacks are taken to analyse the understanding capability of the students. Feedback about the infrastructural facilities is taken from the final year students at the end of the program for improving the lab facilities, if any. The feedback so obtained is analysed for further improvement.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|---|---|---|---|---|
| BE | ISE | 120 | 160 | 86 |
| BE | CIVIL | 120 | 72 | 50 |
| BE | EEE | 60 | 30 | 24 |
| BE | ME | 180 | 122 | 106 |
| MBA | MBA | 60 | 20 | 18 |
| Mtech | ECE | 18 | 0 | 0 |
| Mtech | Computer Network and Engineering | 18 | 0 | 0 |
| BE | ECE | 180 | 170 | 130 |
| BE | CSE | 180 | 217 | 174 |
| Mtech | CSE | 18 | 2 | 2 |
| Mtech | VLSI Design and Embedded System | 18 | 0 | 0 |
| Mtech | Thermal Power Engineering | 18 | 0 | 0 |
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### 2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|---|---|---|---|---|---|
| 2017 | 1937 | 40 | 126 | 6 | 3 |

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
|---|---|---|---|---|---|
| 135 | 135 | 8 | 26 | 0 | 6 |

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|---|

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

A group of 15 to 20 students are assigned to each faculty member. In the preliminary meeting, the mentors meet the mentee and ascertain the strengths and weaknesses of the students. They suggest how to approach the engineering program and how it will be different from plus two/Pre University level. They advice the mentee to focus on their studies for the next 4 years and also explain to them the different avenues available after the completion of the program. The mentor introduces the department faculty so that the mentee could easily interact with the faculty members. The mentor normally meets thrice in a semester and records the mentees performance. Also the mentor makes an attempt to identify any academic/ nonacademic issues the mentee may be facing. Based on his performance and his feedback from the staff handling the first semester is categorized as a fast learner or a slow learner. The mentor advices the student to work on his strengths and participate in activity based learning such as project based learning. The students are also advised to participate in sports, social and cultural activities so that mentee develops overall skills and also gets social awareness. The mentor encourages the student to participate in any one of the above cited events apart from his/her regular class work. The slow learners are identified and after discussing with their respective course teachers remedial measures are suggested to help improve the performance of the students. Sometimes the mentor arranges for remedial class by requesting the concerned teachers. If the student has been missing classes regularly his parents are contacted, both the student and the parent are counseled by mentor, class teacher and Head of the Department. If no perceptible change is observed, the student is referred to student counselor for further counseling At times the student misses the classes due to financial issue, the class teacher and the mentor addresses their issues.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|---|---|---|
| 1937 | 90 | 1:22 |

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|---|---|---|---|---|
| 232 | 135 | 97 | 54 | 12 |

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---|---|---|---|
| 2018 | Mrs. Tabassum Ara | Assistant Professor | Best Faculty Award from Computer Society of India Mumbai Chapter |
| 2018 | Dr. Pushpa Mohan | Associate Professor | Second Prize for Poster presentation from Karnataka |

| 2017 | Mrs. Javeria Ambreen | Assistant Professor | Winner in Content Guru event of Inspire Faculty Excellence Awards from Infosys Campus Connect |
| 2017 | Mrs. Javeria Ambreen | Assistant Professor | Bronze partner faculty under Inspire The Campus Connect |
| 2017 | Dr. Loganathan R | Professor | Bronze partner faculty under Inspire The Campus Connect |
| 2017 | Dr. A Syed Mustafa | Professor | Bronze partner faculty under Inspire The Campus Connect |
| 2017 | Mr. Asghar Pasha | Assistant Professor | Bronze partner faculty under Inspire The Campus Connect |
| 2017 | Mrs. Aaesha Sultana | Assistant Professor | Bronze partner faculty under Inspire The Campus Connect |
| 2017 | Mr. Mohammed Mujeerulla | Assistant Professor | Bronze partner faculty under Inspire The Campus Connect |

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year- end examination | Date of declaration of results of semester- end/ year- end examination |
| --- | --- | --- | --- | --- |
| BE | BE | 1 Semester | 30/12/2017 | 30/04/2018 |
| BE | BE | 3 Semester | 06/01/2018 | 28/04/2018 |
| BE | BE | 5 Semester | 04/01/2018 | 02/05/2018 |
| BE | BE | 7 Semester | 05/01/2018 | 21/02/2018 |
| BE | BE | 2 Semester | 28/06/2018 | 10/08/2018 |
| BE | BE | 4 Semester | 06/07/2018 | 27/10/2018 |
| BE | BE | 6 Semester | 05/07/2018 | 14/08/2018 |
| BE | BE | 8 Semester | 09/06/2018 | 17/07/2018 |

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| 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words) |
|---|

The final year batch followed 2010 scheme VTU syllabus and under this weightage for IA Marks was 20.Three IA tests were conducted in the semester and the average of best of two was calculated for assessment. For courses from 1st to 4th year we have different schemes according to VTU norms. For 1st, 2nd, and 3rd year CBCS scheme is being used and the distribution and weightage of IA marks under continuous internal evaluation (CIE) for students studying under 4 different years of each program is shown the table below. Progressively the weightage for CIE has been enhanced Accordingly the institution has implemented the changes as suggested by the university and adheres to the scheme. For 1st year average of 3 tests is being considered for final IA marks instead of average of 2. Two question papers were framed for each course and after the Head of the Department scrutinizes the question papers, they are submitted to Principal office. The IA test incharge selects one of the two question papers and issues them for the test. The staff members write the scheme of evaluation for the issued question paper and correction of blue books is done based on the scheme of evaluation. For labs, one or two experiments are executed and the readings are recorded in observation/manual and evaluated by concerned teacher. Students submit the record book the following week.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

• The institution follows the curriculum prescribed by the affiliating University, VTU. • At the beginning of the each semester the Academic Council (AC) prepares the COE aligned with the COE rolled out by the affiliating university. • The time table for the class work is prepared by the respective Departments as per the COE and AC monitors all academic activities. • Internal assessments tests as planned in the COE are conducted by one of the Department on rotation basis under the centralized supervision of the Principal. • In case of any exigency and need to deviate from the planned event as per the centralised COE then the principal at his own behest or at the request of any of the HODs convince the AC meeting to review and seeks the approval of the AC the date of conduction of any of the events • Lesson plans and course files are maintained by each faculty for their respective courses and are reviewed periodically by HOD. • The periodic meetings of Class Teachers, Class representatives, Course Coordinators and HOD help in taking suitable measures for the effective implementation of the academic process. • Question Bank, Question papers, notes, NPTEL materials, PPTs of various courses are provided by the faculty to enable the student to understand the concepts clearly. • Manuals for each lab are prepared and updated periodically by respective Lab In charge • IA tests are conducted strictly as per the guidelines of VTU. After the test, the blue books are evaluated by the concerned faculty based on scheme of evaluation. Students are given an opportunity to see the books as well as the scheme of evaluation and seek clarifications, if any. • The COE of the affiliating university and that of the institution is as attached

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://hkbk.edu.in/courses

2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year | Number of students passed in final year examination | Pass Percentage |
|---|---|---|---|---|---|

| | | | examination | | |
|-----|-----|-------|----|----|-------|
| BE | BE | CSE | 87 | 74 | 85.05 |
| BE | BE | CIVIL | 73 | 52 | 71.23 |
| BE | BE | ECE | 89 | 77 | 86.51 |
| BE | BE | EEE | 31 | 30 | 96.77 |
| BE | BE | ISE | 32 | 32 | 100 |
| BE | BE | ME | 87 | 66 | 75.86 |
| MBA | MBA | MBA | 20 | 20 | 100 |

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://hkbk.edu.in/satisfaction-survey-2017-18/

# CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

## 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Amount received during the year |
|-----|-----|-----|-----|-----|
| **No Data Entered/Not Applicable !!!** | | | | |
| **No file uploaded.** | | | | |

## 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar | Name of the Dept. | Date |
|-----|-----|-----|
| Lecture on Introduction to IPR – for Staff | Legal expert – Humanities Dept | 09/09/2017 |
| Lecture on How to file a patent – for Staff | Legal expert – Humanities Dept | 07/10/2017 |
| Expert Lecture on Awareness about the environmental Impact | ME | 27/10/2017 |
| One day Workshop on Assembly Viewing on CAMD Course" (innovative) | ME | 30/08/2017 |
| One day Workshop on ISO90012015 Quality Management System" | ME | 25/07/2017 |
| Lecture on Publication Ethics, copy rights and trade marks – for staff | Legal expert – Humanities Dept | 18/11/2017 |
| SDP on introduction to patents | Legal expert – Humanities Dept | 10/02/2018 |
| Workshop on " Model making using advanced | ECE | 06/04/2018 |

| | | |
|---|---|---|
| robotics" by Ms. Kareemunnisa, Nano Embedded Tech. | | |
| Group discussion by Mr. Abraham, Back Born Networks Pvt. Ltd | ECE | 28/02/2018 |
| SDP on practical approach to file patents | Legal expert – Humanities Dept | 17/03/2018 |
| SDP on " Hybrid mobile app development", Mrs. Rabia Siddiqua, NASDAQ | ECE | 26/02/2018 |
| SDP on " Arduino architecture programming and interfacing" by Mr. Abhay Swamy, Swamy Technologies | ECE | 08/02/2018 |
| SDP on " Learning Python" by Mr. Abhay Swamy, Swamy Technologies | ECE | 17/02/2018 |
| Cyber Security and Forensics | CSE | 09/01/2018 |
| SDP on Copy rights, trade mark registration and publication ethics | Legal expert – Humanities Dept | 14/04/2018 |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|---|---|---|---|---|
| Non invasive Detection of Blood Glucose and Cholestrol level using infrared light | Afreen Khanum, Arfia Firdous, Mohammed Faizan, Mohammed Furqhan and Prof. Shireen Fathima | VTU | 28/06/2018 | 15000 |
| No file uploaded. | | | | |

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|---|---|---|---|---|---|
| HKBK CE | Abhay Swamy | Self | Swamy Technologies | Model design company | 05/04/2017 |
| No file uploaded. | | | | | |

## 3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
|---|---|---|
| No Data Entered/Not Applicable !!! | | |

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | Number of PhD's Awarded |
|---|---|
| No Data Entered/Not Applicable !!! | |

3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

| Department | Number of Publication |
|---|---|
| CSE | 3 |
| Maths | 1 |
| Civil | 2 |
| ECE | 8 |
| No file uploaded. | |

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|---|---|---|---|---|---|---|
| Cadmium fixation studies on contaminated soils using nano calcium silicate – treatment strategy | Dr. Syed Abu Sayeed Mohammed | Geofrontier 2017 | 2017 | 1 | HKBKCE | 1 |

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|---|---|---|---|---|---|---|
| Hybridizing Micro B4C With Carbon nanotubes to Enhance The Mechanical Properties of Aluminium | Dr. Mohamed Zakaulla | Material Science and Engineering IOP Publishing | 2017 | 2 | 9 | HKBKCE |

| Matrix Com posites. | | | | | | |
|---|---|---|---|---|---|---|
| Tribological Characteristics of Multi walled Carbon Nanotubes and Boron Carbide particles reinforced Al 2024 Matric Composites | Dr. Mohamed Zakaulla | Elsevier Journal Materials Today Proceeding | 2017 | 2 | 9 | HKBKCE |
| Chilling effect on hardness and micros tructural behavior of grey iron | Dr. Muzzamil Ahmed S | Materials Today Proc eedings | 2017 | 1 | 2 | HKBKCE |

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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty | International | National | State | Local |
|---|---|---|---|---|
| Attended/Seminars/Workshops | 11 | 16 | 2 | 0 |
| Presented papers | 9 | 4 | 0 | 0 |

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## 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|---|---|---|---|
| Mechanised broom as swach bharat initiative | HKBKCE | 1 | 4 |
| . Non Concventional tread mill concerting mechanical energy in Electricity | HKBKCE | 1 | 4 |
| NSS | HKBKCE | 7 | 144 |
| Independence Day | HKBKCE | 7 | 144 |
| Sapling and Awareness Program | HKBKCE | 7 | 144 |

| | | | |
|---|---|---|---|
| Drug Awareness program | HKBKCE | 7 | 144 |
| Kannada Rajyostava Day | HKBKCE | 7 | 144 |
| Swami Vivekananda 156th Birthday celebration | HKBKCE | 7 | 144 |
| Republic Day Celebration | HKBKCE | 7 | 144 |
| International Women Day Celebration | HKBKCE | 7 | 308 |
| Free Eye Testing Camp | Sri Eye Care | 7 | 182 |
| Blood Donation camp | Indian Red Cross Society | 7 | 146 |
| Non Invasive way of blood sugar monitoring | HKBKCE | 1 | 4 |
| Karanja Seed Oil as BIodiesel | HKBKCE | 1 | 4 |
| **No file uploaded.** | | | |

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|---|
| **No Data Entered/Not Applicable !!!** | | | |
| **No file uploaded.** | | | |

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activites | Number of students participated in such activites |
|---|---|---|---|---|
| Swacch Bharath | HKBKCE | Awareness of Garbage Disposal Program | 7 | 144 |
| Swacch Bharath | HKBKCE | Cleaning Program in Budden Sab Palya | 7 | 144 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Narayana PU College,Bangalore | 1 | 200 |
| Awareness on Engineering | HKBKCE | Student enrichment | 1 | 200 |

| | | | | |
|---|---|---|---|---|
| Education | | program for schools Jawahar Navodya Vidyala,West Bengal | | |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Brahmaputra Junior College, Guwahati | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Girls College,Assam | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Sree Satyam Boys College ,Assam | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Sreenivasa Ramanujan Academy, Assam | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools Sree Manjusha Trust PU College,Bang alore | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools MES PU College,Bangalo re | 1 | 200 |
| Awareness on Engineering Education | HKBKCE | Student enrichment program for schools – Florence PU College, Bengaluru | 1 | 200 |
| No file uploaded. | | | | |

## 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |
| No file uploaded. | | | |

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|---|---|---|---|---|
| Internship | Internship | Biztime IT Solutions Pvt Ltd. | 07/06/2017 | 19/07/2017 | 3 |
| Internship | Internship | Biztime IT Solutions Pvt Ltd. | 21/08/2017 | 24/09/2018 | 1 |
| Internship | Internship | HAL ARDC, DESIGN COMPLEX, Bangalore | 23/08/2017 | 11/09/2017 | 6 |
| Internship | Internship | BEL MISSILE SYSTEM Bangalore | 26/07/2017 | 08/08/2017 | 2 |
| Internship | Internship | HAL, MSERDC Bangalore | 05/01/2018 | 05/02/2018 | 1 |
| Internship | Internship | BEML, Kolar | 08/01/2018 | 28/01/2018 | 1 |
| No file uploaded. | | | | | |

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|---|---|---|
| EnCADD Solutions | 01/03/2018 | Training on Modelling and Analysis sofwares. | 18 |
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# CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 200 | 216 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Campus Area | Existing |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | Existing |
| Seminar halls with ICT facilities | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Others | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Existing |
| Classrooms with Wi-Fi OR LAN | Existing |
| No file uploaded. ||

## 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---|---|---|---|
| LIB SOFT | Fully | 9.5 | 2009 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Text Books | 47953 | 13985074 | 520 | 350497 | 48473 | 14335571 |
| Reference Books | 7353 | 2144438 | 42 | 12466 | 7395 | 2156904 |
| e-Books | 18900 | 552500 | 0 | 0 | 18900 | 552500 |
| e-Journals | 19950 | 552500 | 0 | 0 | 19950 | 552500 |
| CD & Video | 3000 | 0 | 0 | 0 | 3000 | 0 |
| Library Automation | 1 | 50000 | 0 | 10000 | 1 | 60000 |
| No file uploaded. ||||||

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; institutional (Learning Management System (LMS) etc

| Name of the Teacher | Name of the Module | Platform on which module is developed | Date of launching e-content |
|---|---|---|---|
| Mrs. Zahira Tabassum | Microprocessor | Google Classroom | 10/04/2018 |
| Mrs. Subiya | CCN | Google Classroom | 05/04/2018 |

| Yaseen | | | |
|---|---|---|---|
| Mrs. Kehkeshan Jalall S | Verilog HDL | Google Classroom | 28/03/2018 |
| Mr. Hussain Ahmed | Digital Communication | Google Classroom | 09/04/2018 |
| Ms. Syeda Husna Mohammadi | Multimedia Communication | Google Classroom | 10/04/2018 |
| Sufia Banu | Control Systems | Google Classroom | 11/04/2018 |
| Mrs. Harsha Karamchandani | ARM | Google Classroom | 06/04/2018 |
| Mr. Shaik Imam | VLSI Design | Google Classroom | 10/04/2018 |
| Naazneen M G | GSM | Google Classroom | 09/04/2018 |

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## 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/ GBPS) | Others |
|---|---|---|---|---|---|---|---|---|---|
| Existing | 586 | 21 | 50 | 1 | 1 | 1 | 16 | 50 | 0 |
| Added | 18 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 604 | 22 | 50 | 1 | 1 | 1 | 16 | 50 | 0 |

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

| 50 MBPS/ GBPS |
|---|

4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and recording facility |
|---|---|
| No Data Entered/Not Applicable !!! | |

## 4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurredon maintenance of physical facilites |
|---|---|---|---|
| 1000 | 695 | 200 | 150 |

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution has the structured system for maintaining and utilizing the facilities available. The Facility management team maintains the physical and academic support facilities. The institution has deployed two location supervisors across the campus. Each location supervisor will report to the maintenance manager regarding his observations on electrical, plumbing, and housekeeping etc, related issues/complaints. Logbooks are maintained for the

same. The Institution provides transportation facilities for its faculties and students. The Supervisor is responsible to address and rectify any transport related issues. The security of the institute is taken care by in house security guards with the help of an external private agency in two shifts round the clock. The institution has visiting General practitioner of its own. Hence any sort of medical emergency can be immediately addressed. Classroom facility Maintenance At the beginning of each semester the readiness of the classrooms and labs are checked by the facility management team. Regular inspection, maintenance of the furniture's and classroom equipment is done on a regular basis. IT Maintenance IT help desk is functioning in the campus for resolving the issues like hardware trouble shooting, software installation, maintaining biometric devices and network related issues are monitored and maintained. The complaints are posted through email are addressed and resolved immediately. Sports facility Maintenance The sports facilities of HKBKCE are maintained by physical education department. Regular maintenance of the play area is conducted under the supervision of Physical education director. The gym instructor maintains the gym equipment. Library maintenance All faculty, staff and students are enrolled themselves as library members, and fill in the prescribed application. All the students should renew their library card at the start of every odd semesters. Materials that are issued should be produced for the security to check. Each student member is entitled to borrow 4 books special case students borrow additional 02 books and first 5 toppers student's in the class borrow 01 extra book. All staff can borrow books depend upon there designation. Reference books are meant for reading in library only. Leave the library books / Journals on the table after reading. In case the book is lost or damaged, the member shall replace the book or shall pay double the cost of the book. If a book is one of the volumes of a set the reader may be asked to replace the entire set. Digital library is used only for browsing and downloading elearning resources. Laboratory Maintenance Laboratories are spacious and clean. Do's and Don'ts/safety precautions are displayed in each laboratory. Necessary software like Microsoft office, browser, lab software, antivirus software are installed and maintained. Periodical maintenance is carried out in all laboratories. In house servicing of the lab instruments are done every six months and major repairs are outsourced. Consumables are purchased every six months. Instruments are calibrated wherever required. All electrical wiring and grounding are done as per the norms. First aid box, fire extinguisher and hand gloves, welding goggles are provided wherever necessary.

https://hkbk.edu.in/infrastructure-learning-resources/

# CRITERION V – STUDENT SUPPORT AND PROGRESSION

## 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

|  | Name/Title of the scheme | Number of students | Amount in Rupees |
|---|---|---|---|
| Financial Support from institution | Management | 294 | 9941500 |
| Financial Support from Other Sources |  |  |  |
| a) National | SC/ST/State government (OBC), Minority (EPass))/Defence | 286 | 8551780 |
| b)International | 0 | 0 | 0 |
| No file uploaded. | | | |

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
|---|---|---|---|
| Remedial Coaching | 21/09/2017 | 60 | ISE,HKBKCE |
| Personal counselling and mentoring | 04/11/2017 | 114 | ISE,HKBKCE |
| Personal counselling and mentoringPersonal counselling and mentoring | 14/08/2017 | 361 | ME, HKBKCE |
| Personal counselling and mentoringPersonal counselling and mentoring | 10/08/2017 | 414 | CSE, HKBKCE |
| Remedial Coaching | 02/06/2017 | 19 | ECE, HKBKCE |
| Remedial Coaching | 14/11/2017 | 361 | ME, HKBKCE |
| Soft Skill, Aptitude Training Program (From placement)) | 14/08/2017 | 376 | Mr. Ashish Rana, Mr. Rohith Singh, Ms Soujanya Naik, Mr M Dharmadev, Mr. Pratyus Pratye, Mr. Adarsh Kumar, Ms. Manjula Srikanth, Ms. Zeenath K J, Stepup Learning Solutions |
| Bridge Course: OOPS with C | 29/01/2018 | 88 | ISE,HKBKCE |
| Bridge Course: OOPS with C | 02/02/2018 | 146 | CSE,HKBKCE |
| Skill Development Program: Advanced Embedded Systems | 04/09/2017 | 34 | Mr. RohitPrajapati Mr. V Pawan Kumar Field Application Engineer, Edgate Technologies. |
| Skill Development Program: Microsoft Training Workshop | 23/09/2017 | 34 | Microsoft Training Workshop Mr.Vignesh and Team Microsoft |
| Skill Development Program: SQL with Java | 25/09/2017 | 34 | Ms. TulsiAcharya, Codilar Technologies |
| Skill Development Program: IOT Arduino Basics | 30/10/2017 | 32 | Mr.AjitAshutoshKalle Finesta Talent Transformation Services LLP,Founder |

| | | | |
|---|---|---|---|
| | | | Mr.Basavaraj Mr.Chukkala Ms.SaiSwetha Pinpoint Educational Services |
| Skill Development Program: Software Testing | 09/02/2018 | 34 | Ms. Sumathi, KPMG Global Services. |
| Skill Development Program: DAA and Java | 10/02/2018 | 82 | Mr. Sikander Cranes Software Pvt.Ltd |
| Skill Development Program: Mobile Application development | 22/03/2018 | 50 | Mr.Keshav Murthy and Team, Trainer,Department of IT,CMR Institute of Management studies |
| Skill Development Program: Cyber Security | 23/03/2018 | 66 | Mr.Rahul Jamgade, Director,Data Infosec Pvt.Ltd |
| Carrier Guidance and Higher studies | 28/02/2018 | 82 | Mr. Naga Sai Krishna P, Senior Architect, Microsoft Tesco Unisys CTS,Bengalore |
| Remedial Coaching | 20/09/2017 | 80 | CS,HKBKCE |
| **No file uploaded.** | | | |

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passedin the comp. exam | Number of studentsp placed |
|---|---|---|---|---|---|
| 2017 | Career Guidance, Industry Interaction campus placement support | 109 | 109 | 0 | 73 |
| **No file uploaded.** | | | | | |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---|---|---|
| 18 | 18 | 28 |

## 5.2 – Student Progression

## 5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|---|---|---|---|---|---|
| Nameof organizations visited | Number of students participated | Number of stduents placed | Nameof organizations visited | Number of students participated | Number of stduents placed |
| Dell | 90 | 2 | Infosys | 14 | 2 |

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## 5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|---|---|---|---|---|---|
| 2017 | 1 | BE | CSE | PESIT | MTech |
| 2017 | 1 | BE | ECE | MSRIT | MTech |
| 2017 | 3 | BE | ISE | UVCE | ME |
| 2017 | 1 | BE | ME | MSRIT | MTech |
| 2017 | 1 | BE | ME | Presidency | MBA |
| 2017 | 1 | BE | EEE | UVCE | ME |
| 2017 | 1 | BE | ECE | BIT | MTech |
| 2017 | 1 | BE | ECE | AIMIT | MTech |

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## 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ qualifying |
|---|---|
| GATE | 1 |
| Any Other | 1 |

**No file uploaded.**

## 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

| Activity | Level | Number of Participants |
|---|---|---|
| Sports | inter department level | 858 |
| VTU InterCollege Tournament | Zonal Level | 150 |
| Cultural Calypso | Inter departmental Level | 392 |
| cultural Colors of youth season 7 | Zonal Level | 50 |
| Cultural VTU youth fest | Inter College | 24 |
| Cultural Onam Celebration | Inter College | 99 |
| Cultural KannadaRajyotsava | Inter Department | 49 |
| Cultural Freshers Day | Inter Department | 400 |
| Cultural Womens Day | Inter Department | 150 |

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| --- |

## 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
| --- | --- | --- | --- | --- | --- | --- |
| **No Data Entered/Not Applicable !!!** | | | | | | |
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5.3.2 – Activity of Student Council &amp; representation of students on academic &amp; administrative bodies/committees of the institution (maximum 500 words)

Activity of Student Council representation of students on academic administrative bodies/committees of the institution: Students Council: This council organizes Cultural, Sports and Competitions for the students. Council organizes NSS Programs, Social welfare programs regularly. Students are representing many academic and administrative bodies/committees in the institution. 1. Students Counselling / Welfare Committee: This Committee is headed by Prof. Sanaulla and looks after the welfare of students and it also helps the students in counselling for their studies, psychological problems. Students are also part of this committee to facilitate solving the problems amicably. 2. College Internal Compliance Committee/Women welfare Committee: This committee is headed by Prof. Khallikunnaisa, Associate Professor, CSE and has female faculties and girl Students representatives. This committee meets at least 3 times in a semester to discuss various problems faced by girl students. 3. Grievance Redressal Cell: This committee is headed by Mr. Manzoor Ahmed, Secretary, HKBK Group of Institutions. Students problems in terms of the Tuition fees, discontinue of education, discontinuity of Academic problems faced are addressed. 4. Hostel Committee : This Committee is headed by Principal and Hostel Warden as member secretary. This committee monitors the functioning of the hostel and suggest measures for the welfare of the inmates. It proposes measures for the development and upkeep of the hostels. 5. Programme Assessment Committee: (PAC) Every department has this PAC committee. This committee consists of students, alumni, Industry and staff. It reviews the attainment of COs, POs, PEOs and suggests the refinement of any of these based on the attainment. This committee will identify the curriculum gaps and suggest measures to bridge the gap between the institution and Industry. It also advises the institution measures to be undertaken to improve the employability of the students. 6. Antiragging Committee It initiates disciplinary action against offenders with due regard to norms of discipline, humanity and decency which acts as a deterrent against recurrence of such incidents. 7. Magazine / Editorial Committee: Students in this committee contribute to bring out college magazine " Quest" which is published every year. Students will communicate with other students and receive articles and writeups for the magazine. 8. Sports NSS Committee: This committee is headed by Physical Director. NSS Activities such as Swachh Bharat, Drug Awareness, Blood donation Camp, International Yoga Day celebration etc are organized by the students for the students. 9. Alumni Association®: Prof. Hussain Ahmed is the President for this association. Current students who are associated helps the association to bring the alumni students for various activities to be conducted in the college for students. 10. Cultural Committee: This Committee headed by Dr. Loganathan, HOD, CSE. This committee organizes more than 15 events like Fashion show, singing, dancing, Skit, Rangoli etc. Students from different branch will coordinate and organize these events and conducts a cultural fest Calypso. The winners of different events are awarded with prizes.

**5.4 – Alumni Engagement**

5.4.1 – Whether the institution has registered Alumni Association?

Yes

HKBK College of Engineering Alumni Association is registered on26062010 and the registration Number is SOR/BLU/DR/338/201011. The HKBKCE Alumni Association has the composition of Chief Advisor as Prof. Hussain Ahmed, Head Of the Department, Electronics and Communication Engineering (ECE), Vice President as Prof. Syeda Husna Mohammadi, Assistant Professor, ECE, Treasurer as Prof. Abdul Saleem, Assistant Professor, ECE, Joint Secretary as Prof. Salim sheriff, Assistant Professor, Mechanical Engineering and Executive Members as all HKBKCE staff who are alumnus of the college. College organizes a centralized Alumni meet every year. Students from various departments like Computer Science and Engineering, Information Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Civil Engineering, Mechanical Engineering and MBA participate in the alumni meet. The Alumni meet was conducted on 01/04/2017. There were 124 students attended the alumni meeting. One of the Alumni is invited as Chief Guest and he/she will be felicitated on that day. Alumni students who contributed for the department in terms of guest lectures, training to students, conducting courses were appreciated and given memento to recognize their contribution. The alumni students help the institution by recommending industries and other agencies in getting placements for the institution. In the alumni meeting, college Vision, Mission, Programme Outcome, Programme Specific Outcome, Course Outcome were discussed. Program and Course gap were discussed. Alumni students were giving the details about how to fill these gaps. Alumni also donate their valuable time to offer career support to current students. This enhances the students' experience and give them that competitive edge in today's tough job market. Alumni Association arranges activities and major contributions for institutional, academic and infrastructure development. There are several events organized for the alumni students who participate on that day. On the alumni meet, alumni shares his/her views to improve the teaching –learning and as well as the weakness in which the all department have to improve. Some of the teaching staff members are Alumnus of the college due to which the alumni association in the college has a strong alumni network. Some of the activities conducted by Alumni are: 1.Workshop on model Making using advanced Robotics (6/4/187/4/18) by Kareemunisa, Technical head, NANO Embedded Technologies, Bangalore 2. Student Development Program(SDP) on "Group Discussion" (28/2/18) by Mr.Abraham K C, Director, Backbone Networks Pvt. Ltd. 3. SDP on "Hybrid Mobile Application Development" by Mrs. Rabia Siddiqua, senior Software Engineer,Nasdaq, Bangalore. 4. SDP on "Learn PythonA Practical way" (17/2/18 18/2/18) by Mr.Abhay, Managing Director, Swamy Tech, Alumnus HKBKCE.

5.4.2 – No. of enrolled Alumni:

370

5.4.3 – Alumni contribution during the year (in Rupees) :

0

5.4.4 – Meetings/activities organized by Alumni Association :

Meetings 1 Activities 4

# CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

**6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Based on categorization of academic responsibilities in the institution we have adopted the following mechanism: Decentralization of policy implementation by single attainment assessment process. It gives equal opportunities on competence irrespective of gender, keeping inclusiveness in mind. Various statutory and non statutory committees have been set up in the institution for good and better governance, which also brings transparency. Sustainability is an important factor of good governance and it is important that all stake holders act responsibly to achieve the same. Strategic plan is implemented by identifying a clear development path for the institution, through its long term academic, research and business plans which is the responsibility of governing body.The governing council will be the highest authority of the institution. The policies framed by the governing council will be forwarded to the principal for implementation. For this purpose we have academic council consisting of principal and heads of the entire department. The academic policies will be carried out by the respective departments through the faculties. In department we have student mentors, class teachers and cocoordinators for various committees. The respective faculties of department committees will carry out the academic policies and will be implemented effectively. There will be academic evaluation time to time to improve the students performances through class tests, internal assessments , class activity, assignments etc., Under governing council we have finance committee, academic council, IQAC institutional committee. Finance committee consists of technical purchase committee. Accounts committee consists of department budget committee. Academic council consists of HOD's and program assist committee. The library and information centre is at the heart of the campus which provides an ideal environment for intellectual development with study space, reading, learning and instructional resources. It has WIFI internet access, digital learning resources and online access to journals and Ebooks on science and engineering technology and management which is provided in all reading areas and study tables. The intellectual standards are truly reflected in its high standards. Library is accessible for all undergraduates, post graduates, research scholars, faculty members and dignitaries. Every academic year faculties give requirement for university prescribed text book to the HOD. After due deliberation and discussion among faculty members, the HOD recommends the required list of books and requisite list number of each volume of the text to the principal which intern forwarded to library head, the head library checks the availability of those books and recommends to the management for approval along with quotation procured from different vendors with her own remarks. The management approves the purchase of books. After if there is deficiency of the books depends on the needs of staff or students recommending for immediate purchase of 1 or 2 books to the principal who approves it, with an instruction that the same can be transferred to the department library.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

## 6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

| Strategy Type | Details |
| --- | --- |
| Examination and Evaluation | Being an affiliated institution we follow the VTU norms to complete the examination process and the university answer scripts are evaluated online at few selected centres. Continuous internal evaluation at institution is done based on three IA tests and other |

| | |
|---|---|
| | activities such as poster presentation, seminars, assignments etc. |
| Research and Development | Research and development cell and the incubation centre is headed by Dr. Abu Syed, HOD civil. Senior faculty members and heads of various departments are the members of the committee .Our institution have 09 research and development canters approved by VTU and many of our faculties are pursuing PhD. |
| Library, ICT and Physical Infrastructure / Instrumentation | The library and information centre is at the heart of the campus which provides an ideal environment for intellectual development with study space, reading, learning and instructional resources. it has WIFI internet access , digital learning resources and online access to major journals and Ebooks on science and engineering technology and management etc. All class rooms are equipped with ICT infrastructure, including WIFI connections and LCD projectors. Faculty uses these facilities to deliver their lectures. |
| Human Resource Management | Human resource department provides valued HR services that enable the institution to attract, support, retain and develop diverse talent needed to achieve and sustain the institution's mission and vision fostering a healthy, respectful and inspiring work environment. HR department creates a welcoming, affirming and empowering work culture. It ensures to achieve the institutions diversity and inclusivity agenda by hiring faculty from diverse backgrounds, experience, talents and ideas. At HKBKCE, we strive to provide a memorable experience to the newly joined staff, make them feel valued, excited, wanted and interested by welcoming, educating, connecting through an induction program. Every new staff is briefed about the institution, its inception, Leadership team, organization structure, policies and responsibilities. The process commences with setting clear goals and expectation, encouraging growth through development and career planning, engaging in ongoing coaching and feedback, documenting ongoing conversations with performance reviews, inspiring and motivating excellence through ongoing engagements. |

| | |
|---|---|
| Industry Interaction / Collaboration | The departments have MOUS signed with different companies or industries. Faculties interact with these industries and conduct value added courses, skill development programs .The respective departments arrange industrial visits, Student development programs, certification courses, internships, extended lectures on emerging trends. |
| Curriculum Development | We believe in Participation of all stake holders and transparency in governance, the views of the stake holders are considered before implementing any of the policies. The institution has different bodies, such as governing council, academic council at the institutional level, the program assessment committee (PAC) at the department level. The long term plans are laid down after discussion in the Academic council meeting, and are implemented by the principal through the HODs of the respective departments. The Department HODs conduct Dept. level meetings periodically to discuss the progress of Academic, nonAcademic and research activities of the department Skill development program, value added courses and certificate courses are conducted depending on the needs of the students. |
| Teaching and Learning | The faculties use conventional method of teaching using chalk and board, LCD projectors, and power point presentations. Faculty upload notes and share all useful information like question bank, notes, model question paper to the students through Google classroom. We also conduct group discussions, question and answer session |

6.2.2 – Implementation of e-governance in areas of operations:

| E-governace area | Details |
|---|---|
| Planning and Development | The institute has evolved considerably for the last couple of years and has been E Governance facility to implement day today activities in class rooms, labs, corridors and prominent location. And also adminstration, finance and teaching learning process. Towards achieving this goal we have been using ERP and implemented many feature of E – Governance. This has resulted in |

| | minimising manual effort. |
|---|---|
| Administration | The college has ERP software which monitors biometric attendance for teaching and nonteaching staff on daily basis. It gives information about status of leave records. The college campus is equipped with CCTV Cameras installed at various places of need. |
| Finance and Accounts | ERP is used to facilitates maintains of account, drawing of salaries and other emoluments to all employees IT deduction and form 16 are also generated. |
| Examination | We have separate examination department with exam superintendent under the super vision of COE, who is senior professor/ HOD of any of the department. Exam department is provided with all necessary infrastructures to support students for registering of examination application forms and other relevant information. The university facilitates downloading of hall tickets for students and downloading question papers at the time of examinations |
| Student Admission and Support | We have a dedicated admission department for the complete admission process. We admit students through CET and management as per the CET norms or matrix. To fill up the management quota we release an advertisement in prominent daily news papers and we also have an online registration link on the website. Once the prospective candidate registers, the admission department calls them for counseling and briefs them about the avenues available. We conduct workshops, info sessions in various plus 2 colleges and training institutes in different parts of the country. We also participate in educational fairs in and out of Bangalore. We also participate in CET counseling sessions conducted by Times of India and The Hindu. We also depute staff members in all the fairs for generating awareness among plus 2 students. We use online portals like shiksha and careers360 to spread awareness about our institute. Once the student opts to join the institution we conduct scholarship test and students with better scores are provided with scholarships |

**6.3 – Faculty Empowerment Strategies**

**6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year**

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
|------|-----------------|----------------|----------------|----------------|
| 2017 | Sindhya Raghunath | Second world congress on Microscopy organised by Mahatma Gandhi University at Kottayam | NA | 3200 |
| View File | | | | |

**6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year**

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|------|------|------|------|------|------|
| 2018 | Wireless Communication using NS2 tool | NA | 29/01/2018 | 31/01/2018 | 20 | 0 |
| 2017 | LABVIEW | NA | 10/10/2017 | 11/10/2017 | 26 | 0 |
| 2017 | CBCS based Curriculum Development towards Autonomy | NA | 11/12/2017 | 12/12/2017 | 0 | 0 |
| 2017 | FDP on CBCS based curriculum development towards Autonomy | NA | 11/12/2017 | 25/01/2018 | 5 | 0 |
| 2017 | FDP on Moodle | NA | 24/04/2018 | 25/04/2018 | 1 | 0 |
| 2017 | Environmental safety awareness as well as demonstration on fire safety | NA | 24/03/2018 | 24/03/2018 | 5 | 0 |

| 2017 | Industrial safety awareness and demons tration | NA | 10/03/2018 | 10/03/2018 | | 5 | 0 |
|---|---|---|---|---|---|---|---|

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---|---|---|---|
| Research frontiers in advanced networking, security and IOT | 2 | 11/12/2017 | 23/12/2017 | 12 |
| Recent trends in small satellite development and virtual antennas | 6 | 09/02/2018 | 10/02/2018 | 2 |
| FDP on "CBCS Based Curriculum Development Towards Autonomy | 5 | 11/01/2018 | 25/12/2018 | 13 |
| Workshop on "MOODLE" | 5 | 24/04/2018 | 25/04/2018 | 5 |
| | | View File | | |

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-teaching | |
|---|---|---|---|
| Permanent | Full Time | Permanent | Full Time |
| 41 | 41 | 79 | 79 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| Maternity leave to the women employees for a period of 75 days, Special leave for higher studies and valuation, Marriage leave for 15 days, Group Insurance, Employees Provident Fund (EPF), Transportation facility, Vacation Leave | Relevant training programs are conducted to update the latest skills, Transportation facility, Casual leave of 15 days in a year, Earned leave of 15 days, Marriage leave for 15 days, Sick leave for a period of 7 days, Maternity leave to | Group Insurance, Scholarships for economically weak students. |

| of 15 days/ semester • Sick leave for a period of 7 days. • Festival advance, Health Insurance, Salary advance | the women employees for a period of 75 days, Group Insurance, Employees Provident Fund (EPF), Festival advance, Health Insurance, Salary advance | |
| --- | --- | --- |

## 6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal audit is conducted twice a year for the period ending 30/9 and 31/3. Fee collection from the students and payment including the salary, recurring expenses, payments to vendors are checked by internal auditor and discrepancy observed is reported for review and response. Finance department submits detailed clarification to the issues raised and same is ratified by the auditing authority. The appointed charted accountant (CA) examines all the books of accounts and financial transactions at the year end and prepares final statement of accounts for filing and return of income submitted to the governing council for review and approval. After approval return of income is filed.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose |
| --- | --- | --- |
| Flexible Polymers, Prestige Glass Factory, Mr. C.M Faiz | 3640000 | Development and Scholarship |
| No file uploaded. | | |

6.4.3 – Total corpus fund generated

| 349723211 |
| --- |

## 6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Internal | |
| --- | --- | --- | --- | --- |
| | Yes/No | Agency | Yes/No | Authority |
| Academic | Yes | Nill | Yes | Nill |
| Administrative | Yes | Nill | Yes | Nill |

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

• Every semester, Parents Teacher meeting is arranged to discuss about the development in the Institution • Discuss the activities performance of their wards and issues of respective tests • Carry out corrective actions as per the schedule and parents are also contacted during the emergency circumstances or medical issues of students

6.5.3 – Development programmes for support staff (at least three)

• Training Programmes arranged for Support staff in the campus from External Agencies: • Training Programmes arranged for Support staff in the campus from External Agencies: • Sensitizing workers about safety and health measures to be adopted at workplace" • Communication Behavioral skills • Attitudinal behavioral skills and changing mindset • Building Leadership qualities • Fire Safety Measures

| 6.5.4 – Post Accreditation initiative(s) (mention at least three) |
|---|

- **Academic Council (AC) has been enhanced and improved to enhance Participative Management in improving and streamlining academic, examination, and related administrative activities • IQAC was strengthened • More SDP and FDPs are conducted.**

## 6.5.5 – Internal Quality Assurance System Details

| a) Submission of Data for AISHE portal | Yes |
|---|---|
| b)Participation in NIRF | No |
| c)ISO certification | No |
| d)NBA or any other quality audit | Yes |

## 6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|---|---|---|---|---|---|
| 2017 | Infosys Foundation Program Infosys Campus Connect Program | 23/09/2017 | 10/08/2017 | 10/08/2017 | 34 |
| 2017 | IOT Arduino Basics | 23/12/2017 | 30/10/2017 | 31/10/2017 | 32 |
| 2018 | Object Oriented Programming with C | 24/03/2018 | 29/01/2018 | 31/01/2018 | 88 |
| 2018 | Workshop on "Model Making using Advanced Robotics" in association with Nano Embed Technologies | 23/06/2018 | 06/04/2018 | 07/04/2018 | 66 |
| View File | | | | | |

# CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

| Title of the programme | Period from | Period To | Number of Participants | |
|---|---|---|---|---|
| | | | Female | Male |
| International Women Day | 28/03/2018 | 28/03/2018 | 300 | 0 |
| Corporate Academia | 10/05/2018 | 10/05/2018 | 50 | 0 |

| Workshop | | | | |
|----------|--|--|--|--|
| Poster Exhibition "Women hold half the sky" | 09/08/2017 | 16/08/2017 | 100 | 150 |
| Seminar on Gender Equity- Key to prosperity | 20/09/2017 | 20/09/2017 | 200 | 100 |

**7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:**

| Percentage of power requirement of the University met by the renewable energy sources |
|---|
| At HKBK College of Engineering, plantation drive is organized every year in collaboration with NSS chapter inside the campus as well as outside the campus. This is regularly and consciously done as a responsibility towards Environment and Sustainability. In efforts towards sustainability, 35 lighting requirement is replaced with CFL and LED lighting system. Currently more than 50 percent CRT monitors in various departments computing are replaced by LCD monitors. |

**7.1.3 – Differently abled (Divyangjan) friendliness**

| Item facilities | Yes/No | Number of beneficiaries |
|-----------------|--------|-------------------------|
| Physical facilities | Yes | 1 |
| Provision for lift | Yes | 1 |
| Ramp/Rails | Yes | 1 |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | 1 |
| Special skill development for differently abled students | Yes | 1 |
| Any other similar facility | Yes | 1 |

**7.1.4 – Inclusion and Situatedness**

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date | Duration | Name of initiative | Issues addressed | Number of participating students and staff |
|------|------|------|------|----------|--------------------|------------------|-------------------------------------------|
| 2017 | 24 | 0 | 25/10/2017 | 1 | Industrial Visit | Industrial exposure to students | 490 |
| 2017 | 16 | 0 | 21/08/2017 | 20 | Internships | Industrial Training | 21 |
| 2017 | 0 | 1 | 27/03/2018 | 8 | Social Service | Cleanliness and | 60 |

| | | | | | | | | addressing Social evils like drug addiction |
|---|---|---|---|---|---|---|---|---|

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Service Book Update | 19/03/2018 | The service book of the institute is based on rules and regulation of applicable authorities like AICTE, Government of Karnataka, VTU and decision of Governing council of institute management. The appointment letter provides the summary of service rules. In the orientation program for all new staff of the institute, service rules are explained with reference to service book. The staff issues like performance review, resignation, higher studies, leaves, financial matters etc are resolved with reference to service book. The staff are reminded during the academic year about rules like resignation process, higher studies, medical leaves, maternity leaves etc. The indiscipline and discontinuation of service issues been resolved. The inputs from staff and students regarding working timing, surety of work completion, leave policy and work load etc collected. The report prepared by HR and forwarded by Principal is discussed in Governing council and appropriate changes are implemented. |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Independance Day | 15/08/2017 | 15/08/2017 | 425 |
| Republic Day | 26/01/2018 | 26/01/2018 | 425 |
| Youths Day | 12/01/2018 | 12/01/2018 | 400 |
| No file uploaded. | | | |

## 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1 Green set up 2 Ewaste Management 3 Solid waste Collection Points 4 Rain Water Harvesting 5 Replacing lighting load with LED and LCD type.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

BEST PRACTICE 1 1. Title of the Practice: "Proctoring System" 2. Goal: The objectives of the practice are: Improvement of student teacher relationship Counselling students for solving their problems and enhance their self esteem and to inculcate sense of discipline and social responsibility. Help students to choose right career for job, higher studies, entrepreneurship etc. Collect feedback and ensure that problems (both academic and non academic) are resolved to the satisfaction of all stake holders. 3. Context: The following issues made the Institution to adopt the mentoring system. To cope with the pressure to perform in current competitive world and to face the challenges of the society, students need mentoring support to achieve academic excellence. The need for addressing conflicts in attitudes, habits, and adaptability towards learning practices. Need to establish coordination between students and faculty members to conduct tutorials and practical classes. Tutorials are arranged by the mentors in coordination with the respective course teachers and experts who focus on problem based learning Need to assign joint tasks to build team spirit and collaborative learning. 4. Practice: In the beginning of the first semester 15 days orientation program is conducted. The orientation program gives the exposure to students about the professional education. It involves various curriculum and co curriculum activates. As a part of identifying students strength and improvement areas for engineering education a test based on fundamentals of applied sciences is conducted. On the basis of test outcome students are classified as slow learner, average and fast learners. The following actions are followed to ensure success of all the students. A Batch of 1020 students is allotted to a mentor /counselor. Counselling diaries are provided to each counselor to maintain the record of students under their patronage. The Mentors meet the students once in a fortnight, The Parents/ Guardians of Irregular/ underperforming students are called to meet the mentors and remedial measures are initiated for improvement. The mentors arrange remedial and tutorial classes for slow learners. Mentor maintains the student information. HOD monitors the mentoring dairies. The issues include: Time Management Study planning and techniques Optimum utilization of faculty and lab resources managing distractions Examination preparation Health problems, if any To provide a platform to students to strengthen experiences and ideas to help understand student psychology 5. Evidence of Success: Students' attendance has improved after counselling. The communications between mentor and students strengthened the Student Teacher relationship. Academic performance of the students marginally improved. Participation in co curricular activities is enhanced. Students get more focused to achieve their objectives. 6. Problems encountered and resources required: The new faculty members who are recruited in the Institution need time and guidance to understand the importance of mentor ship scheme. Orientation of such faculty is required. The faculty members at times experience difficulty for one to one interaction due to time constraints. However most faculty members appreciate the utility of this scheme and take it up as pleasure. BEST PRACTICE 2 1. Title of the Practice: "Techno Fest Event Conduction" 2. Goal: This practice aims at providing an opportunity

to show case technical expertise of the students. As a part of industry institute interaction program students are taken for industrial visits where they are exposed to application of technology. This help to nurture the research competencies among the students and faculty and also bridge the gap between academic and industry 3. Context: Faculty competencies need to be improved to provide best teaching learning environment to the student community. This necessitates the faculty to update their knowledge regularly and adapt themselves to new technologies. The college offers UG and PG degree Programs in various engineering disciplines. It is the responsibility of faculty members to adopt effective learning methodology for students to grasp various engineering concepts. 4. Practice: The Techno Fest encourages the students to showcase their technical skills in design and debugging by participating in an inter college event where a mini project completion and circuit debugging were conducted and students from various institutes participated in it. This develops the students' skills in different domains. The faculty members are encouraged to publish the research papers, attend national/ International conferences and to carry out consultancy work. The faculty can avail OOD to present the research articles in national/ International journals and conferences. The staff members update their knowledge skills in emerging technologies and impart the same to the students for generating creative skill among the students and encourage the students for lifelong learning to encourage them for lifelong learning and enhancing their skills. Industries conduct internship programs to bridge the industry academic gap. 5. Evidence of Success: Innovative project are executed at final year more students are taking part and showing interest in mini projects. 6. Problems Encountered and Resources Required: Securing a job in core domain is a challenge as the jobs are far and few and turnout from the college is comparatively large. Students find IT domain more lucrative and hence take jobs in that domain as an easy way out.

| Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link |
|---|
| https://hkbk.edu.in/best-practices/ |

## 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

HKBK College of Engineering as a religious minority institute is committed to provide the access and opportunities of professional education to students from weaker sections of the society. The teaching learning process set up in the institute make the students from economically and educational back ward class to come up to the mean stream level of professional education. Every year more than Rs 45 lakhs scholarship/ fee waiver financial support are provided to eligible students. The counselling process is helping to identify the cause of course drop out. This helps in taking proactive measure towards mitigating course drop out due to financial constraints as well as social pressure in case of girl students. The placement in campus and off campus is data indicates the accomplishments of this objective. These students are working at the higher position in blue chip companies like IBM, TI, Wipro, Infosys as well as in Public Sector companies like BEL. KPTCL, BESCOM, ISRO. Institute provide the learning and progression opportunities to staff members. The staff members joined in various departments of the institute with minimum qualification has provided higher education opportunities. Many have move from UG to PG and Ph.D qualification. They have given the opportunity without any hurdle to explore higher position outside the institute as well. There are notable exfaculty members of institute who are working abroad universities and pursuing Ph.D in IITs and NITs. Institute provide the Group Insurance scheme for all staff

members and students. This helped the member of the scheme towards meeting emergency requirement in case of critically ill or mortems. There are more than 50 students and staff with the economically weak background. Such scheme makes the good contribution to their unfortunate situation. The institute take utmost care of student's security specially girl's students. The whole campus is covered with CCTV as well as round the clock security in campus as well as at Hostel. The transport facility is provide with multiple frequency for hosteller as well as dayscholars. This is evident as ratio of GirlsBoys students in circuit branches programs is more than 30. Within campus separate common room as well as rest rooms in each block is provided. The active sexual harassment grievances cell provides the sense of safety as well as confidence to girls students not to keep quite in case of such incidences. The students counselling cell as department as well as institute level provided the emotional as well as psychological support to students. This has helped students to get confidence as well as reduces the drop outs.

| Provide the weblink of the institution |
| --- |
| https://hkbk.edu.in |

## 8.Future Plans of Actions for Next Academic Year

We have set some short term goals which we hope to achieve by 30th June 2021. They are listed as under. We would like to improve our SFR to 1:18 with cadre ratio 1:2:6 and have doctorates to the tune of 33 percent and identify one core researcher in every program. We would also like to engage industry experts in the different. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and senior professors. The institute will strive to attain higher grades through accreditation and NIRF ranking. Our target would be NAAC: A Plus, NBA: all programs, NIRF: top 100, collaboration with some of the premier institutions and distance learning programs. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and IQAC. We would also like to set up a centre for research excellence and 1 incubator per department and industry supported research labs in every department. We would like to build our infrastructure as follows: central library with at least 50 databases, smart classrooms up to 25 percent of the available rooms, databases for all disciplines and establish new labs in Artificial Intelligence, Big Data Analysis, Cyber Security and IOT. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and Accounts officer. Long term plans by 30th June 2027 We would like to improve our SFR to 1:15 with 5 percent foreign faculty with cadre ratio 1:2:6 and have doctorates to the tune of 50 percent. We would also like to engage industry experts in the following domains Machine learning, Virtual Intelligence, Augmented Reality, SAS, Gaming and Animation, Simulation, Additive manufacturing, Horizontal and vertical integration, Director Communication. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and senior professors. The institute will strive to attain higher grades through NIRF ranking. Our target would be top 50, collaboration with some of the premier institutions and with top 500 world rank universities. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and IQAC. We would also like to set up a centre for research excellence supported by 10 or more research industries and corporate, 10 distance learning programs and to become university of eminence and open additional campuses. We would like establish new labs in Machine learning, Virtual Intelligence, Augmented Reality, SAS, Gaming and Animation, Simulation, Additive manufacturing, Horizontal and vertical integration. The key resource persons assigned with this responsibility are the Governing Council members, Academic Council members, Principal, HODs and Accounts

officer. Identification of Sources over the next 13 years: The mobilisation of resources is identified as, Funds from the Sponsors of the Institute/Trust, Students' fee, Donations, Funds generated from consultancy and Management Development Programme, Funds generated from Research Funding Agencies, Funds generated from Industry, Financial support by Alumni, Funds from the patents.