



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	HKBK COLLEGE OF ENGINEERING
Name of the head of the Institution	Dr. M S Bhagyashekar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08025443690
Mobile no.	8971079936
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
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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
Value added program on Full stack	21-Jan-2019 10	76
View File		

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
Nil	Nil	Nil	2019 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

3

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 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)

Skill Development Program, Faculty Development Program, Industry Institute interaction

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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	Achievements/Outcomes
To conduct certificate courses	One course conducted
Value addition courses	Nine courses conducted
Internships	Three Thirty Nine Students attended Internships
Industrial Visits	Six Hundred and eighty five students visited industries
Skill Development Program	Nineteen programs
Soft skill, aptitude and placement	Two programs conducted

program					
Google Classroom	E-notes				
Mentoring System	Strengthened				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> <tr> <td>Governing Council</td> <td>31-Dec-2018</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing Council	31-Dec-2018
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	08-Mar-2019				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	02-Jan-2019				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>We use sapince software (ERP) to manage the information system. 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. The admission department uploads details of the students like name, student ID, parents name and email id, phone numbers of students and relevant personal details. The departments use this information to manage classes. ERP coordinator assigns the students into different sections and batches in each</p>				

semester, their details are uploaded in ERP along with timetable of each section faculty handling the courses. Class teacher can access all the information of that section HOD has access to all the information of the department. Each faculty handling the course can upload the attendance in the portal on daily basis and also upload the IA marks at the end of the IA test. Students can access the attendance at any time through their user ID, parents can also log on to portal and check the performance of their ward at any point of time. 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.

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 (HKBKCE) is affiliated to Visvesvaraya Technological University (VTU) and follows the University curricula. The college academic system ensures that the curriculum delivery processes and systems are so effectively conceived, structured, designed and implemented as to establish quality academics, empower research and building competence in individual and professional achievements of the students. The curriculum follows Choice Based Credit System and adopts Outcome Based Education (OBE) and Revised Blooms Taxonomy (RBT). During the beginning of the semester VTU

provides an academic calendar prior to the commencement of regular classes. Upon the release of the University calendar HKBKCE prepares the calendar of events which is approved by the Academic Council, which plans the entire semester events. Before the beginning of the semester vacation the subjects were allocated to the respective faculties from concern department. The respective departments prepare the Department and individual time table to the faculties to accommodate theory, tutorial and laboratory courses. A well-constructed timetable can be comforting to the teachers and the students. The individual faculty prepare the course plan for their respective subjects allotted as per Time Table and Calender Of Events (CoE)which is reviewed by the Subject Expert and approved by the HOD of their respective allotted classes. Slow learners are identified after Internal Assessment test by providing three sets of question paper for allotted subjects and remedial classes are conducted to gain and improve the slow learner performance. Bridge Courses are planned and conducted for the second year students and diploma students to help them to understand the basic concepts of Mathematics. All the Students as well as Fast learners were encouraged to develop mini projects in their areas of interest. 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. Performance of the students in laboratory experiments is timely assessed and graded according to their knowledge and performance. Faculty prepare the Hard copy and Softcopy for their respective subjects with notes and provide the students with Moodle / Google classrooms along with Question Bank to improve the performance of students. Faculties are encouraged to use various innovative pedagogical methods to improve Teaching Learning Process. The following pedagogical methods are adopted by various faculties: Power Point Presentation, Project-based Assignments, Edusat ,Quiz etc. To improve the Teaching Learning process students' feedback is taken during the semester and necessary measures are taken by the HODs and the Principal about the faculties. 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 of the academic systems. At the end of every semester course exit feedback is taken from the students and analysed to take corrective measures in teaching learning methods. Final year students were given opportunities to prove their subject knowledge by providing projects and internships in industries thereby giving them the hands on experience and exposure to the 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	19/02/2018	130	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	17EC44, Principles of Communication Systems	01/08/2018
BE	17CS43 Design and Analysis of Algorithms	01/08/2018
BE	18MAT11Calculus and Linear Algebra	01/08/2018

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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 4th Year	01/08/2018
BE	CSE 4th Year	01/08/2018
BE	ISE 4th Year	01/08/2018
BE	ME 4th Year	01/08/2018
BE	CV 4th Year	01/08/2018
BE	EEE 4th Year	01/08/2018
MBA	MBA 1st Year	01/08/2018

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

	Certificate	Diploma Course
Number of Students	134	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 skills	14/08/2018	340
Full stack	21/01/2019	76
OOPs concept with C	11/02/2019	183
Object Oriented Programming with C	04/02/2019	65
Computer Networking and its applications	16/02/2019	60
Digital Marketing	02/05/2019	33
GSM	16/02/2019	50
Overhauling of IC Engines	05/11/2018	98
Mechanistic Modelling of amended soils using various geotechnical simulation tools	02/01/2019	22
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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	100
BE	CSE	76
BE	ISE	67
BE	ME	58
BE	EEE	33

BE	CV	65
MBA	MBA	18
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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 Teaching-Learning 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 the concepts clearly. Various helpful comments on IA Test papers and exams and Student's records are maintained in an accurate and transparent manner. The institution has concern for the students and is willing to help and advice at any time of approach by the students. 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 Parents Survey is collected in order to understand the wards' interest and expectations from the institute. The feedback from the Parents helps the Institute immensely in reorganising the administration, accommodation, and general ambience, and skills development, suitability of the courses for career growth and all-round development of the ward. 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. Course exit feedbacks 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	99
BE	CSE	180	217	171
BE	ECE	180	170	117
BE	ME	180	122	73
BE	CV	120	72	42
BE	EEE	60	30	20
MBA	MBA	60	30	20
Mtech	CSE	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
2018	1930	38	153	3	0

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	Number of smart classrooms	E-resources and techniques used
156	145	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 students and assess 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 students to focus on their studies for the next 4 years and also educate 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. Through one to one interaction mentor advises the student to work on his strengths and participate in experiential learning, seminars, mini projects, paper presentation and poster presentation competitions. Mentor advises them to improve their skills and strive to develop their raw talent. Mentors inform the students about various opportunities that college provides to enhance their skills apart from regular classes. The students are provided an opportunity to participate in co-curricular, extracurricular and cultural programs to improve their skills for slow learners. Mentors impress upon the students the need to participate in these activities so that they can realize their potential fully. 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 faculty handling the course. If the student has been missing classes frequently 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. The student counselor counsels the student along with the parent and identifies the weakness of the student and addresses his/her concerns and advises the student / parent. this exercise builds the confidence of student.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1930	95	1 : 20

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
174	156	18	45	17

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	Dr. A Syed Mustafa	Professor	Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model
2018	Mr. Asghar Pasha	Assistant Professor	Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model
2018	Mr. Sharavana.K	Assistant Professor	Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model

2018	Mrs. Chandrakala H.L	Assistant Professor	Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model
2018	Dr. Pushpa Mohan	Professor	Bronze partner faculty under Inspire- The Campus Connect Faculty Partnership Model
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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	15/02/2019	20/04/2019
BE	BE	3 Semester	05/01/2019	04/04/2019
BE	BE	5 Semester	14/01/2019	29/03/2019
BE	BE	7 Semester	05/01/2019	25/03/2019
BE	BE	2 Semester Semester	26/06/2019	19/09/2019
BE	BE	4 Semester	09/07/2019	09/09/2019
BE	BE	6 Semester	03/07/2019	09/09/2019
BE	BE	8 Semester	04/06/2019	23/08/2019
MBA	MBA	1 Semester	15/02/2019	02/04/2019
MBA	MBA	3 Semester	24/12/2018	27/03/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

1st 2nd 3rd year and 4th year followed CBCS scheme under VTU. For 4th and 3rd year the IA marks weightage was reduced to 20 with 5 marks earmarked for CIE. Three IA tests were conducted with maximum of 15 marks for each IA test and the average of 2 best performances was taken. Apart from IA test 2 class tests/ Assignments/Activity Based Learning was conducted and evaluated for 5 marks. For 1st and 2nd the IA marks weightage was increased to 40 with 10 marks earmarked for CIE. Three tests were made compulsory and average of all 3 plus the marks scored in activity based learning was declared as final IA marks. 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 in-charge 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.

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 examination	Number of students passed in final year examination	Pass Percentage
MBA	MBA	MBA	18	13	72.22
BE	BE	ME	58	48	82.75
BE	BE	ISE	34	31	91.18
BE	BE	EEE	18	18	100
BE	BE	ECE	89	81	91.01
BE	BE	CIVIL	65	54	83.08
BE	BE	CSE	75	72	96.6

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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
Students Research Projects (Other than compulsory by the University)	180	HKBKCE	1	1
Any Other (Specify)	365	HKBKCE	0.25	0.25
Any Other (Specify)	365	HKBKCE	0.37	0.37
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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	15/09/2018
Lecture on How to file a patent – for Staff	Legal expert - Humanities Dept	13/10/2018
Lecture on Publication Ethics, copy rights and trade marks – for staff	Legal expert - Humanities Dept	18/12/2018
SDP on introduction to patents	Legal expert - Humanities Dept	16/02/2019
SDP on practical approach to file patents	Legal expert - Humanities Dept	23/03/2019
SDP on Copy rights, trade mark registration and publication ethics	Legal expert - Humanities Dept	20/04/2019
Electrical Measurement and Safety	EEE	25/10/2018
Internationalization of higher studies	EEE	18/12/2019
Awareness on the Depletion of Fossil Fuels and Importance of Alternate Fuels (Bio Fuels)	ME	20/12/2018
TWO DAYS WORKSHOP ON I.C.ENGINES [HANDS ON EXPERIENCE]”	ME	02/11/2018
TWO DAYS WORKSHOP ON I.C.ENGINES [HANDS ON EXPERIENCE]	ME	09/11/2018
TWO DAYS WORKSHOP ON 3D PRINTING [HANDS ON EXPERIENCE]”	ME	30/10/2018

Awareness on the Depletion of Fossil Fuels and Importance of Alternate Fuels (Bio Fuels)	ME	20/12/2018
Industry-College Connect	ECE	29/09/2018

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
Smart Glasses - an Audio Assistant for Visually Impaired	Mohammed Imaduddin, Shaikh Abdul Basit, Noor Fathima, Anjana Dinesh, Amreen Khanum	Bites-Xceletor Student project awards	22/06/2019	Project
Envision Pentaxis Organ Printer	Mohammed Arshad, Almas Khalis, Amtul Nusrath and Mohammed Salman	RV College of Engineering	17/05/2019	National Conference
Envision Pentaxis Organ Printer	Mohammed Arshad, Almas Khalis, Amtul Nusrath and Mohammed Salman	IEEE	11/05/2019	National Project Competition at BMSCE
Envision Pentaxis Organ Printer	Mohammed Arshad, Almas Khalis, Amtul Nusrath and Mohammed Salman	IEEE	29/04/2019	IEEE Expo at GSSSIET at Mysore
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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
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	2	2

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

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	1
ECE	1

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

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
National	Computer Science Engineering	19	5.8
International	Civil	2	1.57
International	ECE	3	0.13
International	ISE	23	0
International	EEE	3	0
International	ME	5	0
International	Maths	1	0
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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
CIVIL	1
ECE	1
Mathematics	2
Computer Science Engineering	1
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
Smart Grid Analysis-A karnataka perspective	Zahira Tabassum	Journal of Advanced research in dynamical and control systems	2019	0.25	HKBKCE	0
Framework of ASL Silhouette gesture recognition system	Dr.Pradeep	IJITEE	2019	0.16	HKBKCE	0
Strength characteristics of Nano calcium silicate, flyash and lime blended tropical soils	Dr. Syed Abu Sayeed Mohammed and Mohammed Abdul Lateef	ASCE- GSP	2018	1	HKBKCE	1

[View File](#)

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
Energy Efficient Secured Cluster Based Distributed Fault Diagnosis Protocol for IOT	Tabassum Ara	International Journal of Computer Network and Information Security	2018	3	6	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	22	9	4	10

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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
Safety Traffic Awareness Prog	NSS	7	200
Independence Day	NSS HKBKCE	7	200
Sapling and Awareness Prog	NSS	7	200
Drug Awareness prog	NSS	7	200

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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
Nil	Nil	Nil	0

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 activities	Number of students participated in such activities
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Swacch Bharath	HKBK CE	Garbage Disposal Program	7	128
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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
Nil	Nil	Nil	0
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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.	10/07/2018	10/08/2018	33
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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
Jetking	15/12/2018	SDP on "Computer Networks and Applications"	60
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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	227

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Campus Area	Existing

Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
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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 partially)	Version	Year of automation
LIB SOFT	Fully	9.5	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	48473	14387661	417	105934	48890	14493595
Reference Books	7395	2211130	46	13636	7441	2224766
e-Books	18900	552500	0	730250	18900	1282750
e-Journals	19950	552500	0	730250	19950	1282750
CD & Video	3000	0	160	0	3160	0
Library Automation	1	60000	1	12000	2	72000
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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 & 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
Prof. Hussain Ahmed	Engineering Electromagnetics	Google Classroom	06/03/2019
Prof . Adila Begum	High voltage engg	Google Classroom	20/09/2018
Prof. Sharavana.K	15IS62-FILE STRUCTURE-6th sem	Google Classroom	09/03/2019
Mrs. Chandrakala HL	C Programming for Problem Solving/ o Introduction to Software Testing	Google Class Room	10/05/2018
Pavankumar D	Material science	Google Class Room	03/10/2018
Dr Sanaula P F	Engineering Chemistry Theory	Google Class Room	09/11/2018
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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	604	22	50	1	1	1	16	50	0
Added	0	0	50	0	0	0	0	50	0
Total	604	22	100	1	1	1	16	100	0

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

100 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
Google class rooms and slide share by the faculty	https://www.slideshare.net/syedmustafablr
Google class rooms and slide share by the faculty	https://www.slideshare.net/syedmustafablr/unix-system-programming
Google class rooms and slide share by the faculty	https://www.slideshare.net/syedmustafablr/iot-module-4
Google class rooms and slide share by the faculty	https://www.slideshare.net/syedmustafablr/data-structures-lab-manual

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 incurred on maintenance of physical facilities
1000	70773860	200	15628297

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 e-mail 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 e-learning 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 wirings 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	368	12091000
Financial Support from Other Sources			
a) National	SC/ST/OBC	230	6575200
b) International	--	0	0
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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
Life Skills: Yoga, Meditation(Stay strong and stay Healthy	21/03/2019	44	Rise Club, CSE, HKBKCE
Life Skills: Yoga, Meditation(Induction Program)	08/07/2018	55	CSE, HKBKCE
Life Skills: NSS Activity (Induction Program)	08/10/2018	96	ISE, HKBKCE

Life Skills : Reduce, Reuse amp Recycle Paper- ENIAC Club	01/11/2018	100	HKBKCE
Life Skills: Drug Awareness Program	26/09/2018	400	HKBKCE
SoftSkills(Personality Development Program)	08/12/2018	96	HKBKCE
ICT/computing Skills : Google Class room	05/08/2019	284	ISE, HKBKCE
ICT/Online quiz on C	12/12/2018	70	ISE, HKBKCE
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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 passed in the comp. exam	Number of students placed
2018	Preplacement Training	86	86	8	73
2018	Career counselling	0	95	0	0
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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
17	17	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
BOB Tech	15	12	Amazon	1	1
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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	Department graduated from	Name of institution joined	Name of programme admitted to
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2019	1	BE	Electronics and Communication	Monash University	MBA
2019	1	BE	Computer Science and Engineering	Presidency University	M.Tech
2019	1	BE	Computer Science and Engineering	Ramaiah Institute of Technology, Bangalore	M.Tech
2019	3	BE	Electronics and Communication	BIT	M.Tech
2019	1	BE	Electrical and Electronics Engineering	University Visvesvaraya College of Engineering, Bangalore	ME
2019	1	BE	Information Science and Engineering	Ramaiah Institute of Technology, Bangalore	M.Tech
2019	1	BE	Electronics and Communication	REVA University	MBA
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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
Any Other	1
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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	604
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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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	-	National	0	0	--	--
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

College has the various committees to facilitate students in various ways. They organizes Cultural, Sports and Competitions for the students. This Council acts

as bridge between the Academic, Management and Students. Students are representing many academic and administrative bodies/committees in the institution.

1. Students Counselling / Welfare Committee: This Committee is headed by Prof. Nagabhsana and looks after the welfare of students and in the need of time, it also helps the students in counselling for their studies, psychological problems. Students are also part of this committee such that students bring their problems and solve it amicably.
2. College Internal Compliance Committee/Women welfare Committee: This committee is headed by Prof. Khallikunnaisa, Associate Professor, CSE, few Lady faculties and girl Students representatives. This committee meets atleast 3 times in a semester to discuss various problems faced by girl students.
3. Hostel Committee : This Committee is headed by Principal and member secretary as Hostel Warden Dr. Arshad Pasha. This committee monitors the functioning of the hostel and suggest measures for the welfare of the inmates(students). It proposes measures for the development and upkeep of the hostels.
4. Programme Assessment Committee: (PAC) Every department has this PAC committee. This committee consists of members from students, alumni, Industry and staff. It reviews the attainment of COs, POs, PEOs and suggest 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 suggests or advises the institution measures to be undertaken to improve the employability of the outgoing students. It gives suggestions to implement comprehensive, organized and sustained process to assess student achievement of institutional, program and course-level learning outcomes.
5. Anti-ragging Committee This Committee which consists of Principal, HODs, Warden and Students. It publicize the recommendations of Supreme Court on ragging in college campus and Hostels. It also 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.
6. Magazine / Editorial Committee: Students in this committee contribute to bring out college magazine called " Quest" which is published every year. Students will communicate with other students and receive articles and write-ups for the magazine.
7. 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.
8. 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.
9. Cultural Committee: This Committee was headed by Dr. Loganathan, HOD, CSE. This committee organizes more than 15 events for the students in Cultural activity like Fashion show, singing, dancing, Skit, Rangoli etc. Students from different branch will coordinate and organize these events and in college day "Calypso" winners were awarded.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

HKBK College of Engineering Alumni Association is registered on 26-06-2010 and the registration Number is SOR/BLU/DR/338/2010-11. 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 Mohammedi, 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 01/08/2018. There were 100 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.

5.4.2 – No. of enrolled Alumni:

350

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting -1, Activity-1

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/non-academic responsibilities in the Institution we have adopted the following mechanism. Various statutory and non-statutory committees have been set up in the institution for effective governance. 1. Library The library and information centre is at the core of the campus which provides an ideal environment for intellectual development with study space. 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 faculty 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 . 2. Project exhibition event University has made it mandatory to implement a project in final year. To help students inbuilt the leadership, communication skills and team work we conduct project exhibition every year, where the students showcase

their works, and the best project from each Department is awarded with a cash prize of Rs. 5000/- Department HODs nominate two staff members as project Coordinators. For every batch of three to four students a staff member is designated as project guide. Students should submit project proposal/synopsis along with guide's signature for approval. Students are also advised to apply for KSCST for financial assistance. A preliminary assessment round in which students are required to present the proposal to an evaluating team within the department to check the feasibility and standards of the projects. If any of the projects fails to meet the desired standards students are advised to modify the proposal and resubmit. After the approval students are advised to go ahead with their work, a mid-term review is conducted by the coordinators to review the progress of the work done. At the end of the semester in the last week of the Academic calendar a final viva-voice is conducted within the Department to assess the quality of the work done. A Panel of 7 to 8 senior staff members appointed by the HOD in consultation with the coordinators assess the projects and awards points. Based on the panel's report HODs nominate best project from their respective department to the Principal, and the project batch is felicitated on Graduation day.

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
Admission of Students	Admission department follows the norms laid down by AICTE, VTU and admit the students through CET and management quota.
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.
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

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 Wi-Fi Internet access, digital learning resources and online access to major journals and E-books on science and engineering technology, management etc. All class rooms are equipped with ICT infrastructure, including WIFI connections and LCD projectors. Faculty uses these facilities to deliver their lectures.

Research and Development

Research and development cell 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.

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.

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. Group discussions, question and answer sessions are also conducted.

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, non-Academic and research activities of the department Skill development program, value added courses and certificate courses are conducted depending on the needs of the students.

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

E-governance area	Details
<p>Planning and Development</p>	<p>The institute has evolved considerably for the last couple of years and has been E- Governance facility to implement day to day activities in class rooms, labs, corridors and prominent location. And also administration, 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.</p>
<p>Administration</p>	<p>ERP package as MIS to maintain faculty details and provides access to each faculty, supervisors, admin, and finance to update and view Employee Profile, Salary related details, attendance, different leaves and related leave status. The Institution uses state of the art Biometric Attendance Management System that is integrated to ERP.</p>
<p>Finance and Accounts</p>	<p>Day-to-day transactions, recurring expenses, fee collections, miscellaneous expenses, balance sheet, tax-related information, regulatory compliance are being maintained under different account heads. Appropriate reports and financial status will be provided on need-based to relevant internal stakeholder, Director, and Regulatory Authorities</p>

Student Admission and Support	For student admissions, e-governance is limited to email communication and telephonic communication. Post-admission, information related to each student is uploaded to ERP.
Examination	We have separate examination department under the super vision of exam superintendent and Principal. 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.

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
2018	Dr.Maaz Ahmed	World Congress on Engineering and Computer Science 2018	IAENG	25000
2018	Prof. Nadeem Pasha	International Journal of Recent Technology and engineering	Blue Eyes intelligence Engineering and Science Publications	8000
2018	Archana H	Block Chain Technology	MSRIT	1500
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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)
2019	EXCEL	EXCEL	28/03/2019	29/03/2019	18	3
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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	Number of teachers who attended	From Date	To date	Duration
---------------------------------------	---------------------------------	-----------	---------	----------

programme				
Image Fusion and Multimodal Imaging Fundamentals to advanced	3	15/07/2019	20/07/2019	6
FDP on Revised Engineering Physics theory Laboratory curriculum organized by CMRIT	3	18/07/2018	19/07/2018	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
48	48	24	24

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Maternity leave to the women employees, for a period of 75 days which is extended to 180 days in the year 2018-19 Special leave for higher studies and valuation. Marriage leave for 15 days Group Insurance Employees Provident Fund (EPF). Transportation facility Vacation Leave of 15 days/ semester Sick leave for a period of 7 days. Festival advance Health Insurance Salary advance</p>	<p>Relevant training programs are conducted to update the latest skills Transportation facility Casual leave of 15days in a year Earned leave of 15 days Marriage leave for 15 days Sick leave for a period of 7 days. Maternity leave to the women employees, for a period of 75 days which is extended to 180 days in the year 2018-19 Group Insurance Employees Provident Fund (EPF). Festival advance Health Insurance Salary advance</p>	<p>Group Insurance, Scholarships for economically weak students.</p>

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 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. External audit The appointed chartered 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
Mohammed Ilyas, Fathima Zohra, Western Kenz	6000000	Development and Scholarship
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6.4.3 – Total corpus fund generated

378494342

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	NBA and LIC	Yes	IQAC
Administrative	Yes	NBA and LIC	Yes	IQAC

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

Every department conducts at least one PTM each semester to apprise the parents of their wards performance and discuss with them the academic and non academic issues. HODs address the parents and give a report about the activities of the department during the course of that semester and seek the suggestions from the parents for improving the functioning of department The parents meet the class teachers of their wards and other faculty members and interact with them on specific issues that their wards may be encountering

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

- 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 Behavioural skills
- Attitudinal behavioural skills and changing mind-set
- Building Leadership qualities
- Fire Safety Measures
- FDP- MS Office

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

- Decentralization and Participative Management started
- Organization Structure started getting streamlined
- Increase in Faculty Development Programs
- Improvement in Industry-Academic Interaction
- Improvement in involving Stake-Holders

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
2018	Soft Skills, Aptitude	18/08/2018	05/08/2018	20/08/2018	76

	Training Program				
2019	Workshop on "Object Oriented Programming with C"	23/03/2019	04/02/2019	06/02/2019	88
2018	Program Outcomes Awareness and CBCS awareness	22/12/2018	15/09/2018	15/09/2018	150
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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
Women Entrepreneurs' Conclave 2018	03/09/2018	04/09/2018	25	0
Orientation Program on "Women's Safety - Practical Measures"	15/09/2018	15/09/2018	150	0
Expert Lecture on Women Health by Dr. Fathima	17/10/2018	17/10/2018	200	0
Campus to Corporate program in association with DELL Corporate	30/01/2019	30/01/2019	50	0
International Women Day	08/03/2019	08/03/2019	310	20
DELL EMC "Technology for Women"	22/04/2019	22/04/2019	40	0

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
41 of power requirement is saved by installing LCD monitors in place of CRT. LED and CFL bulbs are installed for lighting load requirement.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries

Physical facilities	Yes	1
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Rest Rooms	Yes	3
Scribes for examination	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
2018	1	1	18/11/2018	5	Carrier Guidance	Awareness about higher education opportunities	50
2019	1	1	28/03/2019	1	Voting awareness	Awareness about voting rights and responsibility	300
2019	1	1	02/03/2019	1	Cleanliness Awareness	Neighbourhood Cleanliness	200
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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)
VTU regulation , VTU examination guidelines , Service Book	03/09/2018	HKBK College Engineering affiliated to VTU follows the rules and regulations prescribed by applicable relevant authorities. It has framed the service and code of conduct for its staff. The service rule book is made available in each department. The staff members on joining the institute given the orientation about roles, responsibilities and rules to be followed as per service book and VTU. All the students are given orientation on the

first day of college regarding the rules and regulation of institute as well as VTU based on code of conduct for professional education. At the time of graduation, students are given the pledge to serve the society with the acquired knowledge of the technical course.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2018	15/08/2018	600
Teachers Day	05/09/2018	05/09/2018	1200
National Education Day	12/11/2018	12/11/2018	500
National Integration Day	19/11/2018	19/11/2018	400
Constitution Day	26/11/2018	26/11/2018	600
Youth Day	12/01/2019	12/01/2019	700
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1- Green set up 2- E-waste Management 3- Solid waste Collection Points 4- Rain Water Harvesting 5- Pedestrians foot path.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: "Students' Holistic Development Mentoring System" 2. Objective of the Practice HKBK College of Engineering being self-finance institute has the privilege to admit the students from all over passed out from the various boards of education are challenge for the faculty members to bring synergy in teaching methodology. Also the social and geographical diversity of students pose the complex problem to the teacher to synchronize the teaching to the class. In this context, initial evaluation of all the first year students is conducted during orientation program. The orientation program team consist of senior faculty as coordinator, mentors, students' welfare committee coordinator and students' counsellor. The evaluation report helps -

- To identify the strength and improvement areas of each student.
- To inculcate sense of discipline and social responsibility.
- To help students for right career path selection by the end of course.
- To collect feedback and ensure that problems (both academic and non-academic) are resolved to the satisfaction of all stake holders.

3. The Context The following issues made the Institution to adopt the holistic mentoring system.

- The students with low level of applied sciences basic pre-requisite for engineering failed in multiple subjects which leads to loss of year or some time course drop out.
- Students with weak financial and social back ground drop the course when fail in few subject with self-induced fear of not coping with engineering program.
- Family and social pressure make the students disinterested in engineering. Students get astray in different field and fail in first year.
- The need for addressing conflicts in attitudes, habits, and adaptability towards learning practices

among the students. 4. The Practice In the beginning of the first semester, fifteen days orientation program is conducted. The initial classes are focused in conducting quiz MCQ based written test and interaction of mentor faculties with students. The orientation program is based on curriculum and co-curriculum activities. The Institute has set up various clubs in the field of art, literature, technology hobby, music and social activities. During orientation program students participate in activities like collage, debate, collage, visiting orphanage, old-age home, organized by these clubs. The orientation program ensure that every student participate in class room, sports and social activities. Student's mentors prepare the evaluation report everyday based on activities of the day. At the end of orientation program, students' strength and improvement areas are identified based on orientation program committee report. Students mentor interact with student on regular basis to follow up the progress of the student. • A group of 15 students is assigned to mentor who is faculty member from his/her program department. • The mentor is provided mentoring diaries which is regularly updated during one on one with student as well as on receiving the result of academic and extra -curriculum activities result. • The mentors arrange remedial and tutorial classes for slow learners. • Mentor maintains the student information. HOD monitors the mentoring dairies.

5. Evidence of Success • Students' program dropout rate declined. • Students' engagement in academic and co-curriculum activities increased. • Academic performance of the students improved. • Participation in co-curricular activities is enhanced. • Students get more focused to achieve their objectives. 6. Problems Encountered and Resources Required During this practice execution, various problems are encountered. Students exhibit large inertia to get into the program activities. The inspiration by mentors and diverse activities enable the students to be participative in the program. The diverse social, linguistic and geographical back ground was hurdle to get students together. The team building exercise through problem solving, sports events and club activities helped to overcome it. This practice requires extensive coordination between academic and supporting functions departments to ensure required logistics and resources are available in time. BEST PRACTICE 2 1. Title of the Practice: "Techno Cultural Fest Events Conduction" Techn-Fest, Institute Annual Day, Project Exhibition Day, Alumni Meet 2. Objective of the Practice • The goal of organizing such events is to bring in exposure to technology, entrepreneurship skills, appreciation for core industry growth and ability to emerge as an employer. • To students and faculty with contemporary technology skillset. Such events provide an opportunity for student to get first experience of teamwork. • To develop event management, leadership and Managerial skills. 3. The Context The employability of engineering graduates is one of the biggest challenges for engineering education and institutions. The primary reason for this is the lack of skill sets as per the need of industries. Today a visible disconnects is observed between industry and academic curriculum. The scheme of the engineering program as well as curriculum is not providing sufficient scope for developing practical knowledge and entrepreneurship approach among students. The institute envisions contributing high quality engineering professionals to the society/industry through inculcating in students innovativeness and entrepreneurship. For this it engages in industry collaborations, and creates facilities through events like 'Techno Fest" "Annual Day". Students acquire entrepreneurship/professional skills through these kinds of events/practices and become either capable of creating employment or employable graduates ready to face the challenges of a global competition. 4. The Practice • The Institute's Industry Institute Interaction cell regularly organize Industry visit for the students from 3rd semester onwards. The Institute encourage and facilitate the students to visit and participate in various Trade-Exhibitions organized by Industries associations in Bangalore International Exhibition Canter, Texas Instruments Innovation Ideas Annual Meet, and Hackathon National Events. • Techno Fest,

Annual Day Cultural events, Alumni meet, Project Exhibition are regularly conducted in the institution. Students are part of these events planning and execution. These events expose students to the experiences of entrepreneurs, nurturing culture of entrepreneurship. These events will give the students a feel of the emerging trends in industry and business, and stimulates them to seize opportunities in the business environment and create valuable enterprises.

5. Evidence of Success • The Mini-Project exhibition events witnessed the Innovative project done by students in the 3rd and 5th semester. The few notable projects are, 5th semester students have developed and demonstrated smart home operated through mobile phone, Ultrasound based Radar operation. • The final year academic projects selected by Karnataka State Council of Science and Technology and awarded sponsorship. • Student's projects are selected for VTU level exhibition and won 2nd best project award. • Students have participated in VTU fest and won the first and second prizes in various cultural events. • The students' participation and numbers of ideas, projects are increasing every year.

6. Problems Encountered and Resources Required These events required extensive planning and resource mobilization. Considerable amount of background work needs to be done and keep the programme flexible to accommodate the possible changes. The challenge of ensuring all logistics are timely in place required extensive coordination and team work. The inevitable loss of academic sessions has to be compensated with extra efforts from faculty member.

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

Enabling the Students to Excel through Policy of Financial Inclusiveness and Secured Campus Financial support to socially and financially weak students: HKBK College of Engineering being a religious minority Institute is committed to provide the access and opportunities for professional excellence to students from weaker sections of the society. The Institute policy of socio-economic development of weaker sections of society ensures that students from weaker sections of the society get the opportunity for professional education. The Institute follows the policy of financial inclusiveness and provides every year more than INR 45 lakhs scholarship / fee waiver financial support to eligible students. The Institute has grievances cell under the chairmanship of Secretary HKBK Group of Institutions which meets once in a year and review students as well as faculty members' issues hindering their development in the Institute.

In last three years grievances cell identified twenty students to provide social and financial support for continuing their studies. These students and their parents are counselled and inspired to continue the studies. 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 data indicates the accomplishments of this objective.

Secured and Safe Campus: The Institute provides 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 takes 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 provided for hosteller as well as day-scholars. This is evident as ratio of Girls-Boys 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 quiet in case of such incidences. The students counselling cell at 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

Short Term Goals: • To use optra as an alternative ERP tool for sending SMS to parents. • To conduct additional test for students who do not perform well in IA tests. • To strengthen industry institute interaction by inviting industry experts in different domains. • To ensure that the SFR is at around 1:18 • All departments to strive for NBA accreditation and NAAC A grade for the institution. • Establish collaboration with premier institutions in Bangalore to facilitate research culture among faculty and students. • To work towards Institutional Autonomy Long Term Goals: • To improve SFR to 1:15 with 5 foreign faculty and a cadre ratio of 1:2:6. • To set up atleast one centre of excellence in each Department. • To set up Central library with 50 databases and smart classrooms upto 25. • To establish new labs in Artificial Intelligence, Big data Analytics, Cyber Security and IOT. • To have doctorates to the tune of 50. • To engage industry experts in Machine learning, Virtual Intelligence, Augmented Reality, Horizontal and Vertical Integration. • To start distance learning programmes and to become university of eminence. The Principal, HODs, Senior Professors and faculty members to be the key resource persons to ensure that these objectives are met in the next 5 years.