



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	MAHARSHI KARVE STREE SHIKSHAN SANSTHA'S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Name of the head of the Institution	Dr. Madhuri Bhushan Khambete
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02025311000
Mobile no.	9225517613
Registered Email	principal@cumminscollege.in
Alternate Email	vikram.athalye@cumminscollege.in
Address	Karvenagar
City/Town	Pune
State/UT	Maharashtra
Pincode	411052

<b>2. Institutional Status</b>																															
Autonomous Status (Provide date of Conformant of Autonomous Status)	10-Sep-2015																														
Type of Institution	Women																														
Location	Urban																														
Financial Status	Self financed																														
Name of the IQAC co-ordinator/Director	Dr. Vikram Athalye																														
Phone no/Alternate Phone no.	02025311172																														
Mobile no.	9604339640																														
Registered Email	vikram.athalye@cumminscollege.in																														
Alternate Email	administrator@cumminscollege.in																														
<b>3. Website Address</b>																															
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.cumminscollege.org/wp-content/uploads/2020/03/2018-19-AQAR.pdf">https://www.cumminscollege.org/wp-content/uploads/2020/03/2018-19-AQAR.pdf</a>																														
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																														
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.cumminscollege.org/student-corner/academic-calendar/">https://www.cumminscollege.org/student-corner/academic-calendar/</a>																														
<b>5. Accrediation Details</b>																															
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>70-75</td> <td>2002</td> <td>15-May-2002</td> <td>14-Feb-2007</td> </tr> <tr> <td>2</td> <td>A</td> <td>3.33</td> <td>2012</td> <td>15-Sep-2012</td> <td>14-Sep-2017</td> </tr> <tr> <td>3</td> <td>A</td> <td>3.16</td> <td>2017</td> <td>30-Oct-2017</td> <td>29-Oct-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	70-75	2002	15-May-2002	14-Feb-2007	2	A	3.33	2012	15-Sep-2012	14-Sep-2017	3	A	3.16	2017	30-Oct-2017	29-Oct-2022
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1	B	70-75	2002	15-May-2002	14-Feb-2007																										
2	A	3.33	2012	15-Sep-2012	14-Sep-2017																										
3	A	3.16	2017	30-Oct-2017	29-Oct-2022																										
<b>6. Date of Establishment of IQAC</b>	26-Sep-2011																														
<b>7. Internal Quality Assurance System</b>																															

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
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**No Data Entered/Not Applicable!!!**

No Files Uploaded !!!

**8. Provide the list of Special Status conferred 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
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**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 File](#)

**10. Number of IQAC meetings held during the year :**

1

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)**

Pedagogy Cell Formation and Activities Workshop on IPR for faculty and students

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	Achievements/Outcomes
To introduce active learning techniques to faculty members	Training session for faculty on Project Based Learning
To make faculty and students aware of the IPR	One-day workshop on IPR for faculty and students (organized in collaboration

with IP, India and ASSOCHAM)

No Files Uploaded !!!

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	28-Jan-2020
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)	The following activities are performed through MIS: 1. Accounts Finance 2. Stores and Purchase 3. Examination Section 4. Student profile (attendance, general information) 5. Faculty attendance (Biometric) 6. Faculty Profile

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	ME	Mechanical	01/08/2019
BTech	EC	Electronics & Telecommunications Engineering	01/08/2019
BTech	CE	Computer Engineering	01/08/2019
BTech	IT	Information Technology	01/08/2019
BTech	IN	Instrumentation & Control Engineering	01/08/2019

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with	Programme	Date of Introduction	Course with Code	Date of Introduction
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Code	Specialization			
BTech	Mechanical	01/08/2019	HS4101Economics for Engineers	01/08/2019
BTech	Open Elective	01/08/2019	OEHS3101 Project Management	01/08/2019
BTech	Open Elective	01/08/2019	OEHS3101Entrepreneurship Development	01/08/2019
BTech	Open Elective	01/08/2019	OEHS3101Introduction to Digital Marketing	01/08/2019
BTech	Open Elective	01/08/2019	OEHS3101Intellectual Property Rights	01/08/2019
BTech	All Programmes	01/08/2019	HS2101Principles of Economics and Finance/HS2201 Principles of Economics and Finance	01/08/2019
BTech	Audit Course for all programmes.	01/08/2019	AC2201Self Expression	01/08/2019
No file uploaded.				

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
Nil	ME	Nil
<a href="#">View File</a>		

### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
<b>No Data Entered/Not Applicable !!!</b>		

## 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
ME 2210 Solid Modelling	01/01/2019	70
Self Expressions :	07/08/2019	635
Garnishing Talent :	09/01/2020	108
Employability Enhancement and InnovationSkills	08/08/2019	671

No file uploaded.

### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Mechanical Engineering	74
BTech	Electronics & Telecommunications Engineering	233
BTech	Computer Engineering	237
BTech	Information Technology	76
BTech	Instrumentation & Control Engineering	83

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### 1.4 – Feedback System

#### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
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
The institute has a formal mechanism to elicit feedback from students, employers, alumnae and parents. The obtained feedback is analysed on regular basis. It is utilised mainly for improving the quality of the teaching-learning process and also of the curriculum of the institute. Employers and industry experts are the members of the BOS and the Academic Council of the institute. They give their feedback on curriculum in their respective meetings. Alumni and experts from industry get an opportunity to express their views on curriculum enrichment During the process of recruitment, the institute also obtains feedback on the existing curriculum and its enrichment from the employers.

## 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
<b>No Data Entered/Not Applicable !!!</b>				

[View File](#)

### 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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG
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	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2019	2603	51	119	Nil	23

### 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
146	146	28	28	Nil	7

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Mentor-mentee scheme: A well defined Mentor System which has been efficiently running in the college since 2004. Objective: To identify and understand student issues, to help the mentee identify her professional needs and goals and to recommend needy students for financial and medical support. Outcomes: Providing a conducive teaching learning environment for students and enabling mentees to become stronger and more intentional in their being. ? Under this system every faculty member is working as a Mentor for a group of students (normally 20 students per mentor). The Mentor maintains the record of academics, co-curricular and extracurricular activities of students assigned to them. He/She will be in close acquaintance to them and monitor their activities, achievements, attendance, problems, stress related issues etc. The parents of the students are also made aware of this system and are asked to coordinate with the Mentors if necessary. Academic calendar of the institute for the on-going semester declares a schedule for mentor mentee and mentor-parent meeting. Two mentor-students meetings are conducted in every semester followed by meetings between HOD-mentors. ? The inputs from the students are discussed and corrective actions are planned and implemented. Advantage of the system is to build a bridge between faculty, students and their parents. This system tries to solve the problems of the students in a different way by positive counseling for the overall development of the student.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2654	146	1:18

### 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
119	146	Nil	24	49

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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

### 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
123	2654	4.63

## 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)

<a href="https://www.cumminscollege.org/academics/">https://www.cumminscollege.org/academics/</a>
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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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

## 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)

<a href="https://www.cumminscollege.org/wp-content/uploads/2021/03/SSS-2019-20.pdf">https://www.cumminscollege.org/wp-content/uploads/2021/03/SSS-2019-20.pdf</a>
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## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

<b>Yes</b>
Name of the teacher getting seed money
<b>Nil</b>
<a href="#">View File</a>

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nil	0	0	Nil	0

No file uploaded.

### 3.2 – Resource Mobilization for Research

3.2.1 – 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.0457

### 3.3 – Innovation Ecosystem

3.3.1 – 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
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

3.3.2 – 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
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

3.3.3 – 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
0	0	0	0	0	Null
<b>No file uploaded.</b>					

### 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Basic Sciences Humanities	Null
Computer Engineering	1
Electronics Telecommunication Engineering	Null
Instrumentation Control	2
Information Technology	2
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

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

Department	Number of Publication
<b>No Data Entered/Not Applicable !!!</b>	
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

3.4.5 – 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
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

3.4.6 – 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
0	0	0	Null	Null	Null	0
<b>No file uploaded.</b>						

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

Number of Faculty	International	National	State	Local
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

**3.5 – Consultancy**

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
0	0	0	0
<b>No file uploaded.</b>			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	0	0	0
<b>No file uploaded.</b>				

**3.6 – Extension Activities**

3.6.1 – 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

3.6.2 – 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
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

3.6.3 – 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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
0	0	0	Null	Null
<b>No file uploaded.</b>				

### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

3.7.2 – 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
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

## 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
180.95	170.65

#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Nil	Existing
<a href="#">View File</a>	

### 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
SLIM21	Fully	3.7.0.22189	2009

#### 4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
<a href="#">View File</a>			

#### 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
--	--	--	Nil
<a href="#">View File</a>			

### 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	1479	40	130	40	1	2	6	130	0
Added	79	0	200	0	1	2	6	200	0
Total	1558	40	330	40	2	4	12	330	0

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

330 MBPS/ GBPS
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#### 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
1. The videos are created using Active presenter software. Those videos are uploaded on youtube channel.	<a href="https://www.youtube.com/channel/UCaLn165sTu2qOhZmL-iGGfQ">https://www.youtube.com/channel/UCaLn165sTu2qOhZmL-iGGfQ</a> <a href="https://www.youtube.com/channel/UCaLn165sTu2qOhZmL-iGGfQ">https://www.youtube.com/channel/UCaLn165sTu2qOhZmL-iGGfQ</a>

	<a href="https://www.youtube.com/channel/UCvz_tioG-mbAKPCOB415Asg">om/channel/UCvz_tioG-mbAKPCOB415Asg</a> <a href="https://youtu.be/SjmAwSnOPPU">https://youtu.be/SjmAwSnOPPU</a> <a href="https://youtu.be/GoOok7438wk">https://youtu.be/GoOok7438wk</a> <a href="https://youtu.be/ZpQIAMA8o7s">https://youtu.be/ZpQIAMA8o7s</a>
2. Faculty members have created their lectures notes, presentations and uploaded the contents on their moodle websites / google classrooms.	<a href="https://dbms20mnkccew.gnomio.com/">https://dbms20mnkccew.gnomio.com/</a> <a href="https://classroom.google.com/c/NDE0ODk1MDE3NTla">https://classroom.google.com/c/NDE0ODk1MDE3NTla</a> <a href="https://classroom.google.com/w/NDcyNDY0OTMwMDBa/t/all">https://classroom.google.com/w/NDcyNDY0OTMwMDBa/t/all</a> <a href="https://classroom.google.com/c/MzIyODEyNTMyMDVa">https://classroom.google.com/c/MzIyODEyNTMyMDVa</a> <a href="https://classroom.google.com/c/MjgwODA3NDk1Nzla">https://classroom.google.com/c/MjgwODA3NDk1Nzla</a>

#### 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
80.25	78.31	47.6	47.87

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)

A) Computers ? Number of systems with configuration The college has 1500 computer systems with Pentium V and Above configuration. ? Computer-student ratio Computer to student ratio is 1:2. However, in the laboratories, for every student a separate computer is provided. ? LAN facility All the systems available in the college are connected and are provided with Internet facility via LAN with 330 Mbps speed. ? Proprietary software / Open source software's The college makes use of a large number of open source software's and OS such as Ubuntu14, Ubuntu 16, Fedora 27. The college also has licenses for a list of OS such as Microsoft Campus Agreement License and Microsoft Base licenses, VM ware Vsphere Plus 4 for 3 Host, Red-hat Linux, Windows N.T. Workstation 4.0, and Windows N.T. Server 4.0, Windows server 2003, Windows Server 2008 and Windows Server 2012 ? Number of nodes/ computers with internet facility All the 1500 computers available in the college are provided with internet facility. ? Maintenance of computers and their accessories We have outsourced to external agencies on a call basis. Engineers from the Kumar Computers company maintain all machines and printers of the college. Coordinators from departments along with lab in-charges coordinate the activity to ensure all computers and printers are in proper working condition. ? The annual budget (expenditure) for repair and maintenance of the computers in the College is Rs. 5.90 lakhs for the year 2019-20.

B) Laboratory ? Maintenance of laboratory equipments Other laboratory equipment is maintained by technical supporting staff. In case of any repair requirement, service is hired from outside agencies.

C) IT service management The college has IT policy addressing standards on IT Service Management, Information Security, Network Security, Risk Management and Software Asset Management. It outlines the responsible use of the Information Technology infrastructure at the college such as use of licensed software only, procurement of IP based licenses wherever possible, annual maintenance contract for application software, antivirus on every machine, restricted access through firewall, regular information backup, encouragement for usage of open source software.

D) Library ? Total area of the library (in sq. mts.): 800 sq. mts. ? Total seating capacity: The library has a reading room with 180 seating capacity. ? Working hours (on working days, on holidays, before examination days, during examination days, during vacation): Week days: 7.30 a.m. to 7.30 p.m. (Monday to Saturday) On Sundays: 9.00 am to 6.00 pm Examination days and Vacation: 7.30 a.m. to 9.00 p.m. ? Print (Books, back volumes and thesis) There

are 62895 Print Books with 5125 reference books The central library has all important journal subscriptions such as IEEE (hard and soft copies), Springer, Elsevier etc. E-journals are accessible from any computer in the campus. E-books and other resources are also accessible from any location. Library has a rich collection of reference books. For any additional book requirement for the research immediate procurement is done. Sufficient budget is available for the same. ? Electronic (e-books, e-journals) Access to Engineering 761

<https://www.cumminscollege.org/>

## 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	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

#### 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 implementation	Number of students enrolled	Agencies involved
<b>No Data Entered/Not Applicable !!!</b>			
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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
<b>No Data Entered/Not Applicable !!!</b>					
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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
Nil	Nil	Nil

### 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

No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

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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
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No Data Entered/Not Applicable !!!

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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)

The college has an independent student council. Student council has 55 posts such as Technical secretary, Cultural secretary, Treasurer, Sports secretary, Library representative etc. Students nominate themselves for these posts. In the academic year 2019-20 different interviewing panels were formed. These interviewing panels consisted of members from Head of the departments, Dean of students and faculty members. Interviews of the contestants were conducted by these interviewing panels and one of the contestants was selected for the posts. The technical secretary along with student volunteers organized annual tech-fest 'Innovation', in which various workshops and seminars were organized. The placement cell representatives helped TPO in various placement activities. The issues or problems faced by students were taken care of by the TPO and student cell representatives. Every year, the magazine team under the leadership of the magazine secretary publishes the college magazine 'Kshitij'. The processes like collecting the material, editing, designing and publishing were done by students. The magazine committee was also involved in various department newsletters. The sports secretary organizes and conducts intercollegiate sports tournament Pentacle. This was well supported by enthusiastic student volunteers. The cultural secretary plans and executes different cultural events such as 'Gandhaar-Annual Cultural program' and art

exhibitions. The treasurer along with assistant treasurers took care of the budget planning and expenses required for all the events. This student council helps in collaboration with the faculty members to smoothly conduct different events as per the academic calendar.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has registered Alumnae Association from October, 2019.

5.4.2 – No. of registered Alumni:

341

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

22000

5.4.4 – Meetings/activities organized by Alumni Association :

1) Conducted the guest lectures for the guiding the college students 2) Conducted Workshops 3) Examined the students for the for the oral / practical exams, Project exams and Technical events 4) Helped students to get internship and placements 5) They are part of Board of Studies members and contribute towards syllabus designing. 6) Mentor the project groups

### 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)

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words) The college strongly believes in decentralization, which is accomplished by different independent yet synchronous committees like - Governing body, Academic Council, Board of Studies, College Development, HRD, Purchase, Library, Placement committees, etc. A. The E-Cell named Yukta started functioning in the year 2016-17. It is one of the examples of collaborative effort of teachers, students and industry personnel to inculcate awareness, conducive environment, support and mentor entrepreneurship skills. The course has been introduced on entrepreneurship in the syllabus. An online competition CAMPUSPRENEUR was organized to give the students, teaching as well non-teaching staff, a chance to propose an innovative solution to all the problems they find on the campus. NEN WORKSHOP was organised for empowering students with knowledge and skills through Courses and Startup Labs to create high-potential startups. Ecell members from various colleges from all over Pune participated in this. BUSINESS IDEA COMPETITION was one of the events in the annual college tech-fest "INNOVATION". The students were judged on Idea, Innovation and creativity, Feasibility of the business idea and business model, Presentation skills and Sales pitch by evaluators from industry. Innovative Business Idea Competition was held by Startup and Innovation Cell in the college to promote startup and entrepreneurship culture among students. More than 100 students have opted for the entrepreneurship course and around 120 more participated in various events and competitions. The students have understood the process, design strategies to develop an idea into business. The students also learn the ability to discern distinct entrepreneurial traits. B. The college has developed its perspective plan through a rigorous process of internal discussions. Senior faculty members, Heads of departments, Deans were involved in drafting the perspective plan. Plan was reviewed by governing body members and external advisors from industry

and academia. Under the teaching learning context, the pedagogy cell consisting of faculty members from each department was formed to explore, experiment and disseminate the modern trends in engineering education. The members of the cell meet regularly to discuss different pedagogy practices adopted or practiced in various engineering institutes across India and abroad. The popular active learning techniques like Project Based Learning (PBL), Problem and Assignment Based Learning, Flipped classroom, T-P-S, Demo based learning, collaborative learning, etc were explored and recommended to the teaching faculty members. Digital Content Development tools like Google classroom, Google forms, Active Presenter, Screencast-O-Matic, video editors, Teacher's corner, etc were studied and suggested to the teachers. The dissemination of learning of these tools have been done through awareness not only by pedagogy cell members but also by domain experts. As a result of persistent efforts, almost all the teachers have started applying the most appropriate pedagogical method for their course.

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
Curriculum Development	The detailed Final year B. Tech structure was presented which incorporates increased credits for undergraduate projects phase I and phase II. Inclusion of elective courses, their contents and the trends in Indian scenario was suggested.
Teaching and Learning	The faculty members are encouraged to adopt active teaching-learning methods, digital content development tools through pedagogy cells. Also, they are motivated to apply higher cognitive levels in question papers to enhance the student's thinking ability.
Examination and Evaluation	It was decided to give the choice to the students to carry forward In-Semester Evaluation (ISE) marks in case they appear for Re-End Semester Evaluation.
Research and Development	The students and faculty members are encouraged to come up with innovative ideas and patent writing through IPR cell. Also, a committee has been formed for plagiarism free campus to observe academic misconduct.
Library, ICT and Physical Infrastructure / Instrumentation	To inculcate the reading culture among students the library committee initiated a "Reading Club". The activities like quizzes, Terribly Tiny Tales and book exhibitions were organized along with student panel members.

Human Resource Management	The HR management committee meets periodically for appointment of qualified and competent teaching and non-teaching staff members. Also, the promotions are approved by the committee as per the Career Advancement Schemes and other government rules.
Industry Interaction / Collaboration	The college college has MoUs with IBM, Center for Police Research (CPR) for R D projects. The industry experts provide the guidance for guest sessions, workshops to the students. The college is working with ASSOCHEM for Intellectual Property Talent Search Exam (IPTSE) preparation. This year 50 students participated and achieved National level ranking.
Admission of Students	NIL

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

E-governance area	Details
Administration	E-governance is implemented.
Finance and Accounts	E-governance is implemented.
Student Admission and Support	E-governance is implemented.
Examination	The HEI has a fully automated examination section.

### 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
<b>No Data Entered/Not Applicable !!!</b>				
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#### 6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	Machine Learning in the area of Pattern Recognition and	Nil	16/08/2019	28/08/2019	42	Nil

	Computer Vision					
2019	One Week Faculty Development Program on Cyber Security	Nil	04/11/2019	09/11/2019	42	Nil
2019	One week Faculty Development Program on Data Science (PMMNMT)	Nil	02/12/2019	07/12/2020	74	Nil
2020	Hands-on one week FDP on: Use of Moodle as LMS	Nil	26/06/2020	03/07/2020	143	Nil

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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
Various FDPs, refresher courses, NPTEL, etc.	463	Nil	Nil	Nil

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	25	Nil	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Gratuity, Group Insurance, Group Mediclaim Policy	EPF, Gratuity, Group Insurance, Group Mediclaim Policy	College financial aid to needy students, life insurance, Government scholarships, Samstha Scholarships

## 6.4 – Financial Management and Resource Mobilization

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

The Institution conducts financial audits regularly after every 6 months to review the accounts process. There are 2 audits conducted per year, one is Internal audit and second is Statutory audit. In the financial audit, different

instances like Vouching, Receipts, leisure scrutiny, salary etc. are checked majorly in 6 monthly audits. At the end of the financial year, the audit majorly focuses on depreciation, donation utilisation, grant utilisation, fees reconciliation etc. with vouching, salary, leisure scrutiny etc. The audit may take 8-15 days to complete with the help of the account section faculty of the college. In Statutory audit, external Auditors check financial documents and files. In Internal audit, from the last 3 years external auditors check all the financial documents and files. The financial audit takes place thoroughly at college level half yearly.

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
Cummins CeRIE Cummins Signature Project	8746783	Laboratory Development
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6.4.3 – Total corpus fund generated

8746783
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## 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	No	NA	Yes	Coordinated by Dean Quality Assurance and executed by all Deans and Associate Deans
Administrative	No	NA	No	Nil

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

? Parent feedback is regularly taken and incorporated in new structure design ? Student's progress, attendance is regularly updated with parents

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

The non-teaching staff members are always encouraged for skill development or training or workshops. Following are the details:- SN Title of the Administrative Training Program organised for Non-Teaching Staff - Date (from - to) No. of Participants 1 Professional Development Program (Pune University) - 16/12/2019 to 21/12/2019 2 2 Provident Fund Workshop/Seminar ( Ujjain) - 27/02/2020 to 28/02/2020 1 3 Webinar Effective use of E- Resources challenges - 12th June 2020 5 opportunities support (HNIMR College, Pune)

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

? The Perspective Plan of the college was developed. Plan was reviewed by governing body members, external advisors from industry and academia. ? The pedagogy cell consisting of faculty members from all departments was formed to explore and use the modern pedagogy trends in education. ? To inculcate the innovativeness among students, Kedar Tumane Innovation Award has been initiated by the college. ? To motivate the faculty members for high impact publications, incentives are declared. ? To encourage funded consultancy work, the incentives

are declared to the faculty members.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
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
2019	Intellectual Property Rights (IPR) Awareness program, sponsored by IP Office, Govt of India and ASSOCHAM (The Associated Chambers of Commerce, India)	01/10/2019	01/10/2019	Nil	140
2019	NEN WORKSHOP in the collaboration with Wadhvani Foundation for empowering students with knowledge and skills through Courses and Startup Labs to create high-potential startups.	Nil	20/12/2019	Nil	40
2020	Innovation 2k20 - Workshops, competitions, hackathon, B-plan competition, quizzes, etc	Nil	14/02/2020	15/02/2020	2348
2020	Hands-on	26/06/2020	26/06/2020	03/07/2020	143

one week FDP  
on: Use of  
Moodle as  
LMS

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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
NIL	Nil	Nil	Nil	Nil

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
<p>1) Environmental Quality: • There is a separate estate maintenance department to look after green environment in the campus. With proper landscaping and well maintained lawns campus looks green. Every year, tree plantation activity is carried out by NSS students. • Savings in the paper usage is done by o Online voting (e- ballots) for college election. o Online Students' feedback for teaching-learning process. o Circulation of notices via e-mail. o Students' submissions in CD format. o Department news letter in electronic form 2) Water Conservation: • Drip irrigation and sprinklers are used on campus. • Rain water harvesting system is used on campus. • Low flush toilets are used in college buildings. • Waste water utilization is done for garden trees. 3) Renewable Energy: • Solar water heaters have been fitted in all hostels and guest houses. The capacity of solar water heater system is 18 KW with total number of 48 panels. Around 3000 litre of hot water is made available daily through this system. • Biogas plant has been installed in campus which utilizes around 160 kg of food waste from hostels. The capacity of this plant is 20 m3. Bio gas thus generated is used for cooking in hostels. 4) Waste Disposal: • Bio degradable and non bio degradable waste is segregated and bio degradable waste is used for compost. • Hazardous waste from Chemistry lab is disposed with due precautions 5) All the classrooms, laboratories, staffrooms and offices are well illuminated with natural light. CFL and LED bulbs and tubes are used at most of the places instead of fluorescent bulbs.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	7
Provision for lift	Yes	7
Ramp/Rails	Yes	7
Any other similar facility	Yes	7

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages	Number of initiatives taken to engage with and	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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	and disadvantages	contribute to local community				
No Data Entered/Not Applicable !!!						
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
NIL	Nil	For all first year students, weeklong induction program is conducted. During induction program, lectures on human values, yoga, meditation, exercise etc are arranged to create awareness of the importance of physical and mental health. A special course on "value education" is a part of curriculum for all first year students.

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Visit to Parent Institution	08/08/2019	14/08/2019	608
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy Conservation: Notices regarding switching off fans, tubes and electrical appliances when not in use are placed throughout the campus to avoid wastage of energy. The architecture of the college buildings is such that maximum advantage of day light can be taken. Use of renewable energy: • Solar water heaters have been fitted in all hostels and guest houses. The capacity of solar water heater system is 18 KW with total number of panels 48. Around 3000 litre of hot water is made available through system. • Biogas plant has been installed in campus which utilizes around 160 kg of food waste from hostels. The capacity of this plant is 20 m3. Bio gas thus generated is used for cooking in hostels. Water harvesting: • On campus three plants of water harvesting are in operation. Each plant can recycle around 3000 litre of water daily. In Monsoon season plant can accommodate 1, 40,000 litre of rain water. Efforts for Carbon neutrality: • Use of Bio sanitizer technology for garbage composting in campus- Oxygen rich water, treated with bio sanitizer is sprayed on garbage heap to ensure eco-friendly bio-conversion in to compost. In this process, there is no heat generation and minimal emission of green house gases. • The capacity of this plant is 6 ton per six month. • Dry leaves and waste papers are not allowed to be put on fire in campus. • Encouraging staff and students to use stairs instead of elevators. Plantation: • Tree plantation is carried out as an activity of NSS. • Old tree count is approximately 100. • Native tree count is approximately 1900. Hazardous waste management: • Hazardous waste from Chemistry lab is disposed with due precautions

#### 7.2 – Best Practices

## 7.2.1 – Describe at least two institutional best practices

Best practice 1- Title: Faculty Development Schemes Objective: The objective of the practice is to motivate the faculty members to do research, organize and attend conferences, workshops, seminars and symposia to get to know emerging technology trends and also to update their domain knowledge. The Context: For effective teaching as well as research engagements, faculty members are expected to have holistic idea of their area of specialization. To accomplish this, they require exposure to various inter-faculty interactions taking place via conferences, workshops, seminars, symposia etc. This situation is addressed by introducing various faculty development schemes. The Practice: Research and Development Committee of the institution promotes and facilitates research undertakings of the faculty members. The faculty members are sponsored by the institute to attend the national / international conferences. To encourage quality research work by faculty members, various monetary incentives are in place. If the paper gets published in Scopus indexed journals, faculty gets reward of Rs.5000/- and if the paper gets published in SCI indexed journals, faculty gets reward of Rs.10,000/-. If the faculty member receives grant from funding agencies, then 5% of the grant amount is rewarded to the faculty member by the institute. Faculty members pursuing Ph. D. programs are provided with two years of fully paid study leave from the institute. Evidence of Success: Enhancement in the number of faculty members registering for Ph.D. programs. Enhancement in the number of quality publications by faculty members. Many faculty have filed and sanctioned patents now. Increase in the number of workshops, seminars attended by the faculty members. Increase in the number of faculty members implementing best pedagogic practices. Problems encountered and resources required: Workload of the faculty members availing Ph. D. study leave is required to be allocated to faculty members on contract basis. Fund allocation is required for supporting research activities and Ph. D. programs. Problems encountered and resources required: Workload of the faculty members availing Ph. D. study leave is required to be allocated to faculty members on contract basis. Fund allocation is required for supporting research activities and PhD programs.

Best practice 2- Title: "Holistic development of the students for employability enhancement" Objective: The objective of this practice is to work towards holistic development of the engineering students for employability enhancement. The Context: Engineering and technological world has become increasingly demanding, interdisciplinary and full of cut throat competition. To address the challenges, curriculum has to be industry aligned. Along with domain knowledge and innovation, for the holistic development of the students, life skills such as communication skills, leadership skills, team building and stress management must be inculcated. To address this need a unique certificate course on Innovation, Employability Skills Enhancement and Career Building is designed which focuses on Self Awareness, Professional Skills, Innovation and Communications. To gear up students placements, quantitative aptitude sessions are engaged for all third year students. Students are encouraged and supported to participate in national level competitions such as SAE BAJA, Robocon, and Mitsubishi Electric cup. Adequate and appropriate open electives are offered to the students to cater interdisciplinary nature of industry. To promote creative thinking, all second year students are offered an audit course- self expression. The Practice: The 40-hour course was introduced from academic year 2013-14 for third year students for all the branches of engineering. Students are divided in five batches. In a week, each batch attends one session of two hours duration. Total 20 sessions are planned throughout the academic year for all batches. These sessions include as follows 1. Icebreakers, Introductions, MOOCs, Opportunities Abroad 2. Mind map- Theory, Individual Mind map, Group Mind map 3. DBDA and psychometric Test administered 4. Creativity Workshop 5. DBDA and Psychometric Result Discussion 6. Video Analysis and English Language Tips 7. Transactional Analysis (TA) and Presentation Skills 8. Corporate

Grooming and Business Ethics 9. Project Selection and SWAF Analysis 10. Team Building Games 11. Effective Resume Writing Theory 12. Profile building, Innovation(IP) and feedback (Resume Book Distributed) 13. Review and Interview Theory 14. 6 Thinking Hats workshop 15. HR and Technical Round 1 (with External Evaluators) 16. HR and Technical Round 2 (with Industry experts) 17. HR and Technical Round 3 (with industry experts) 18. Aptitude Test Preparation Tips and Aptitude Test delivery 19. Group Discussion theory and Group Discussion Round 20. Conclusions, SOP Tips and Feedback

At the end of the training Program, every student gets course completion certificate. For all third year students, per week one hour, Quantitative Aptitude session is conducted. It builds students' numeric and problem solving ability, a very important aspect of job seeker. It helps students in the preparation of competitive exams as well. Students are encouraged and given support in terms of infrastructure and financial resources to participate in the prestigious national level competitions such as SAE BAJA, Robocon and Mitsubishi Electric cup. Students get to implement their technical knowledge as well by participation in these activities, their life skills are put to test and they emerge stronger. All second year students are offered an audit course- Self Expression. Per week two hour session is conducted for self expression. Students get to pursue their passion and express their ideas in creative way. This session works as a stress buster for students in otherwise busy academic schedule. Students get to choose from following options. a) Dance b) Drawing c) English communication skills d) Film appreciation e) Origami f) Theatre g) Art and Craft

In order to make students ready to face interdisciplinary nature of technological advancement, open electives are offered in the third year and final year B.Tech course. The courses range from technical to humanistic and focus on principles, methods and skills across the disciplines. Evidence of Success: Assessment of the students is carried out at the end of Employability Enhancement Program to understand its impact which is conveyed to the students individually. Following generalised statements can be drawn on the basis of students' feedback. The course is observed to help students improve their skills such as individual report writing, creative and strategic thinking etc. There is a noticeable positive change in the overall personality of the students who have completed this course. As a direct consequence of the innovation aspect of the program, fifteen students have filed patents till date. This is a key differentiator, giving the students an upper edge as they embark on their search for careers in the industry or pursue higher education in India or overseas. Mock interviews and group discussion sessions conducted under this program have resulted into positive feedback from the companies visiting the campus. It is observed that students participating in National level competitions such as SAE BAJA get national and international exposure in the wider technical canvas. They get a chance to secure international internships. The overall effect is better placements of the students. 2016-17-83.7 2017-18-80.32 2018-19-82.22 2019-20-75.00

Problems encountered and resources required: Employability Enhancement Program is sponsored by Cummins India Ltd, under its Signature project initiative and hence offered to the students without charging fees. Employability Enhancement Program, Self Expression sessions need to be planned beyond the students' regular academic engagements. Hence, it becomes challenging to identify free time slots for large groups of students. A separate faculty coordinator had to be assigned for the smooth conduction of the program. The college has made an auditorium available for all the sessions and to all the batches of Employability Enhancement Program. Depending upon the nature of Self Expression courses, infrastructure such as auditoriums, halls etc are made available. Challenges are faced in terms of securing sponsorships for various national level competitions. Infrastructure in terms of classrooms is to be made available for engaging open electives.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your

institution website, provide the link

<https://www.cumminscollege.org/>

### 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

Cummins college of engineering for women, Pune, comes under the umbrella of its parent institution, Maharshi Karve Stree Shikshan Samstha. Cummins college is the first all women engineering college established in India in 1991 with the support from Cummins Diesel (India) foundation. Since the establishment college is well supported by industry and society. MOUs have been signed with industries for enhancement of technical skills of the students. College has been ranked in the band of 150-200 by National Institutional Ranking Framework (NIRF) for three consecutive years and amongst top 75 professional engineering colleges by Outlook Magazine for last five years. Highly meritorious students enrol in the college. Every year students participate and secure grand success in national level competitions like SAE BAJA, Mitsubishi electric cup, ROBOCON etc. The college has a separate training and placement cell. More than 450-500 students get on campus placements every year.

Provide the weblink of the institution

<https://www.cumminscollege.org/>

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

Dissemination of the AICTE Exam Reform Development of rigorous audit procedures for the evaluation of the theory and the lab courses Enabling online conduction of Teaching-Learning and Evaluation Processes (given the COVID-19 pandemic situation)