



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		MCKV INSTITUTE OF ENGINEERING
Name of the head of the Institution		Prof. Abhijit Lahiri
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		03326549315
Mobile no.		9674246187
Registered Email		info@mckvie.edu.in
Alternate Email		principal@mckvie.edu.in
Address		243 G. T. Road (North), Liluah
City/Town		Howrah
State/UT		West Bengal
Pincode		711204
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. Satadal Saha
Phone no/Alternate Phone no.	03326549317
Mobile no.	9836149699
Registered Email	iqac.mckvie@gmail.com
Alternate Email	satadalsaha@mckvie.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://mckvie.edu.in/wp-content/uploads/2021/07/AQAR-2018-19.1.pdf
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4. Whether Academic Calendar prepared during the year

Yes

if yes, whether it is uploaded in the institutional website:
Weblink :

<https://mckvie.edu.in/academic-calendar/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.02	2017	30-Oct-2017	29-Oct-2022

6. Date of Establishment of IQAC

29-Sep-2016

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
FOOD CARNIVAL	04-Jan-2020 1	10
TO CELEBRATE CHILDREN	15-Nov-2019	15

	1	
A VISIT TO OLD AGE HOME	26-Oct-2019 1	20
TO CELEBRATE DIWALI WITH THE KIDS OF ORPHANAGE	25-Oct-2019 1	30
Tying the sacred threads of rakhi on the hands of Policemen at Belur Police Station.	21-Oct-2019 1	8
A CLOTH DONATION DRIVE	21-Oct-2019 1	70
GANGA CLEANLINESS DRIVE	02-Oct-2019 1	50
TO FORCE THE GOVERNMENT WORLDBOYER TO TAKE CONCENTRATE ON CLIMATE CONTROL	27-Sep-2019 1	15
INSTALLATION CEREMONY	01-Sep-2019 1	80
A RALLY TO MAKE AWARENESS BETWEEN PEOPLE ABOUT ENVIRONMENT	22-Aug-2019 1	250
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2020 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 :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities	No

during the year?

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

- Institutional Development Plan has been formulated and different benchmarks have been set to maintain the quality standards of the institute.
- Feedback has been taken from all stakeholders and it is analysed and used for improvements.
- Conducted Academic Administrative Audit (AAA) and follow up action taken.
- Conducted FDP/Seminar/Conference/Workshop/Industry visit/Expert lecture/Training etc. for the students and/or staff members.
- Conducted various awareness programs and outreach activities addressing social issues.

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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 make the institute an "Autonomous institute" and a "Centre of Excellence"	The institute has been granted autonomous status w.e.f. 201920.
Expansion of the institute in terms of increase in intake capacity in B,Tech. in Computer Science and Engineering and Electronics and Communication Engineering programmes	Two new UG programmes, viz. B. Tech. in CSE-Data Science and B. Tech. in EC-VLSI have been introduced w.e.f. 2020-21 session with approval from AICTE and MAKAUT. One PG programme, viz. MBA in Business Analytics has been introduced in place of MCA. This programme also has got approval from AICTE and MAKAUT w.e.f. 2020-21 session.
To introduce an ERP system for the digitization of Examination process, Financial management and administrative activities.	The process has been initiated.
Encouragement in different outreach activities to satisfy the current needs for the society	Voluminous outreach activities have been arranged to meet the social demands through NSS, Rotaract Club and Swami Vivekananda Centre for Positive Thinking.
Participation in different institutional ranking systems	Participated in NIRF.
Improvement of Industry interaction through expert lecture, visit to industry etc.	Industry visit has been organized for the students and expert lectures by eminent academicians and industry personnel have been organized.
Encouragement to faculty members and students for their achievements and recognitions	Faculty members were given awards for their academic and research related achievements. Students were given mementos, prizes and certificates for their academic performance, co-curricular and extra-curricular

performance and attendance in the class.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Governing Body

20-Aug-2021

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

16-Mar-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)

Our institute is now on implementation of its website along with ERP System by migrating on AWS cloud for smooth and seamless user experience. Website contains all standard informational pages on Admission, Departments, Infrastructures, Placements, Fee structure, Rules etc. Besides, there will be an ERP system with all necessary and pertinent modules for smooth academic management. Some relevant modules will be available through websites for supporting students. The following modules are planned and on the way of phase wise implementation on the institutional ERP system by External vendor Learning Spiral, an ISO 9001:2008 and ISO 27001:2013 company, who are having experience in managing state level University ERP and Examination System.

Sl. No Module Description

1 PreAdmission 2 Admission Academics 3 Program Course Curricula Management 4 Fee Management 5 Student's Portal 6 Student Attendance 7 Student Eligibility Management 8 Student Migration Management 9 Examiner Database Management 10 PreExamination

11 Examination Management Result Processing 12 Convocation Management 13 Scholarship Management 14 Student Activities Management (NCC, NSS, Sports Cultural etc.) 15 Hostel Management 16 Student Transcript Management 17 Placement Management 18 Alumni Management 19 File Tracking 20 Online Recruitment (Teaching/NonTeaching/Contractual) 21 Establishment 22 Payroll 23 Employee Portal 24 Research Project Management 25 Grievance Management 26 College/University Teachers Promotion 27 Asset Management

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

As MCKV Institute of Engineering is an affiliated institution under Maulana Abul Kalam Azad University of Technology in West Bengal, curriculum is set by the affiliating university. The entire curriculum delivery process is described below: At the end of each semester, curriculum papers for the next semester are assigned among faculties and laboratory instructors in a Departmental Academic Committee (DAC) meeting executed once in a month and chaired by HOD. Paper allocation is documented in the approved minutes of DAC. After the paper distribution is over, time table for the corresponding semester is prepared by the time table Committee members of each department. After the finalization of time table, it is issued by HOD and finally approved by Principal and circulated among the departments for interdisciplinary allocation. At the beginning of each semester, as per the academic calendar of affiliating University and Institution, each faculty member has to prepare and submit 'Lesson Plan' to the HOD for all allocated subjects. Format of 'Lesson Plan' is defined to be unique around the Institute and after passed through by the HOD, it is reviewed by the Dean (Academics) and finally by the Principal. For each curriculum paper, faculty members have to prepare and maintain a file known as 'Course File' which contains documents for various kinds of data, mentioned as below: At first, curriculum according to university format is provided. Further, Lesson Plan, Time Table for the particular stream and semester are kept along with the individual time table of the faculty. Course Information details are mentioned in 3rd section. Copy of paper related course materials is kept in the next section. Copies of question sets for class tests along with checked answer- scripts are documented next. Sets of assignments along with copies of student scripts are documented in section 6. Next, copy of semester question papers along with the solutions of those questions prepared by faculty is documented. Finally, 'Course Coverage Report' is submitted by each faculty to the HOD at the end of academic session. This report is further reviewed by Dean (Academics) and Principal. After the semester result is published by the university, analysis of the same along with other assessment methods are done by the faculty. Course Assessment Report is prepared and submitted by faculty. If faculty contributes in delivering lectures covering content beyond curriculum and further, related to modern industry need, those documents are recorded next. After each assessment such as class test, assignment, quiz, viva

etc., weak students are identified for those topics on which they fall short to grab the concepts and fail to apply. Remedial classes are arranged by the faculty and improvement test is taken for reflection of improvement. Documents for remedial class arrangement such as copy of notice issued etc. and copy of improvement test assessment and answer scripts are also recorded.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Nil	Nil	Nil	0	Nil	Nil

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	Nil	Nil
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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
Nil	Nil	Nil

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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
"PHP with Angular JS" by Tech Tree Technologies	01/04/2020	23
Importance of Aptitude and Competitive Performance for JOB Interview by Mr. Goutam Bose R D Engineer Keysight Technology	01/05/2020	40
Overview on SAP Platform by Mr. Arnab Ghosh ,Application Architect, IBM	02/05/2020	40
Courses through MTUTOR- "Online Digital eLearning platform"	01/04/2020	70
Courses through "CourseEra for Campus Program"	01/04/2020	60
Fundamental of Digital Marketing	02/06/2020	1

Machine Learning for All from University of London	29/06/2020	1
Learn to design your own Solar Home System	24/06/2020	2
Courses through coursera "Deep learning , Sequence model and AI for everyone, Improving Deep neural networks etc.	01/04/2020	18
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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
BTech	CSE	19
BTech	ECE	45
BTech	IT	23
BTech	AUE	15
BTech	EE	12
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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
<p>The students are the most important stakeholders of Engineering Education systems. The interest and participation of students at all levels in both internal quality assurance and external quality assurance have to play a central role. From the current academic year the college has started quarterly basis online feedback process. Feedback data are collected from undergraduate students and postgraduate students on teachers' performance. From the following diagram, it is observed that according the students' feedback, students have given 90-100 and 80-89.9 marks on overall performance of the teachers and it is based on the different parameters. The feedback reports are sent to the departmental Heads. He/she discusses the feedback with the faculty member or the Lab Instructor individually. Strengths are being appreciated, whereas suggestions are being given for the weaknesses, as revealed from the feedback report. Parents feedback is used to improve the infrastructures and facilities of the students, whereas the alumni and employers feedback reports are used to make the students more employable. Special trainings are arranged for the students not only to develop the basic skills and attitude of them but also to make the students proficient in modern state-of-the art technologies. Series of invited talks, seminars and workshops are regularly arranged to continuously</p>

upgrade the knowledge base of the students.

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
Mtech	ECE	18	3	3
MCA	MCA	30	9	9
BTech	ME	63	31	31
BTech	IT	63	61	61
BTech	EE	63	57	57
BTech	ECE	63	61	61
BTech	CSE	63	63	63
BTech	AUE	63	17	17

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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
2019	1060	32	64	7	16

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
87	87	Nil	21	5	Nil

[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)

Mentoring System is followed strictly in the Institution. When students get admitted in the first year, at that time based on corresponding streams, departmental faculties take up their mentoring charges in 1:20 ratio which means for every 20 students, 1 Mentor is assigned. Apart from this, while students in their first year belong to the department of Basic Science, another faculty from Basic Science itself is additionally assigned as mentor for the students admitted for each stream. While students enter the branch in their 2nd year of engineering, they are assigned with mentors from their department itself and for academic year 2019-2020 assignments are based on 1:22 ratio which means for 22 students 1 distinct mentor is assigned. They keep track of the students by communicating with them on a regular basis and upload numerous data about each mentee in the mentor portal of MAKAUT (Affiliating Parent University). Students can freely discuss their problems and if the mentor feels, he/she may send the student to Institute counsellor for further advice in case of such need.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1092	87	1:13

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
91	87	5	Nil	27

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
2019	Dr. Amit Phadikar	Professor	Recognition: Member of the oral defense committee, Dept. of Electrical Engg at Yuan Ze University from (August 1st 2018- July 31st 2019)
2019	Dr. Indrajit De	Associate Professor	Appointed as advisor of India Internet Foundation (IIFON) trust-a subsidiary of ISOC-Kolkata chapter
2020	Dr. Indrajit De	Associate Professor	Appointed as Fellowship-Committee member of INSIG2020 a prominent conference on Internet standards in India virtually to be hosted by ISOC Mumbai chapter.
2020	Dr. Indrajit De	Associate Professor	Appointed as approved reviewer of Bioinformatics research contribution for MANAV- a Human atlas initiative by Govt of India, IISER ,pune, MHRD, GOI and Persistent Systems.
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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
Mtech	105	1st, 3rd	16/01/2020	17/03/2020
MCA	010	1st, 3rd, 5th	13/01/2020	17/03/2020
BTech	016	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020
BTech	007	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020
BTech	032	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020
BTech	003	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020
BTech	002	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020
BTech	001	1st, 3rd, 5th, 7th	17/01/2020	17/03/2020

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

The concept of continuous evaluation for internal assessment of students came into existence in academic year 2018-19. As per the revised guidelines received from affiliating university, the internal assessment had the following components. Type of paper: Theoretical Components of internal marks: Internal Tests Full Marks: 25 Attendance: 5 (to be calculated separately) Descriptions: Normally, there are four numbers of internal tests which are called Continuous Assessments (CA1, CA2, CA3 and CA4) conducted in a semester. The assignments given to the students and quizzes conducted in the class are all the part of these Continuous Assessments. These are taken both offline and online mode. The assessment questions are to be outcome based. Avoid questions which involve only memory exercises and also avoid short notes. Type of paper: Practical Components of internal marks: Lab report, Viva-voce etc. Full Marks: 40 Descriptions: Internal assessment on practical papers is conducted in two phases in a semester (which are called PCA1 and PCA2). Type of paper: Sessional Components of internal marks: Report, continuous monitoring/assessments Full Marks: 100 Descriptions: Assessment on sessional papers is conducted throughout the semester. Remark: The marks obtained by students through these assessments are uploaded in university website time to time.

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

According to the Institutional structure, at the initiation of each semester, the academic calendar is prepared by the Dean-academics followed by verification and approval of the Head of the Institution and finally published in the institute website as well as widely circulated amongst all the stakeholders. Academic calendar is prepared by keeping in mind to execute maximum possible number of academic days excluding the holidays, off-days and the examination days. Provision for all sorts of co-curricular and extra-curricular activities viz. technical fest, cultural fest, annual sports and others are accommodated in the academic calendar. In accordance with the assessment process of the affiliating university, 4 continuous assessments

(CA1-CA4) are to be conducted for each theoretical paper accordingly provisions for all such assessments are enlisted in the academic calendar. Amongst these assessments, two internal tests are normally conducted by the examination cell centrally as class tests and tests are conducted via a variety of forms viz. test, viva, quiz, assignment, presentation, seminar or GD etc as per the schedule of the academic calendar. Also, provisions for uploading marks based on these assessments are recorded in the academic structure to make the evaluation process in line with the affiliating university. Similarly provisions for tentative dates for practical examinations and viva-voce are also put down in the academic calendar. Apart from these, other academia related activities such as submission of lesson plan, course coverage, mentoring report, students' feedback are further registered in it. Tentative timings for publication semester result are other related information enlisted in the academic calendar.

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://mckvie.edu.in/>

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
001	BTech	CSE	63	59	93.7
002	BTech	IT	57	56	98.3
003	BTech	ECE	66	59	89.4
032	BTech	AUE	51	42	82.4
007	BTech	ME	73	62	84.9
016	BTech	EE	72	70	97.2
010	MCA	MCA	15	15	100
105	Mtech	ECE	6	6	100
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2.7 – Student Satisfaction Survey

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

<https://www.mckvie.edu.in/student-satisfaction-survey/>

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
Nil	0	Nil	0	0
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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
Recent Trends in Computing	IT	25/09/2019
PHP and Angular JS	IT	01/04/2020
Application of PHP and MySQL in implementation for ERP Modules	IT	03/04/2020
Placement Scenario in India before and after Corona virus pandemic	IT	15/04/2020
Importance of Aptitude and Competitive Performance for JOB Interview	IT	01/05/2020
E- CAD (Electrical CAD)	EE	06/04/2020
Introduction of Python Programming	EE	13/04/2020

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
Early Accident - Response System (EARS)	Manali Gangopadhyay, Soumi Das, Abhishek Dey	Science and Engineering Fair, 2020, Birla Industrial and Technological Museum	18/01/2020	Second best prize
Bluetooth Remote Control Car and Drowsiness Detection using Andriano	Sristi Pal, Pratyusha Banerjee	CSI Regional Student Convention-Region II 2019, CSI, Kolkata Chapter	13/11/2019	Best paper award
Safe Driving in a Smart Car	Sristi Pal, Pratyusha Banerjee	Science and Engineering Fair, 2020, Birla Industrial and Technological Museum	18/01/2020	Special prize

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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
0	Nil	Nil	Nil	Nil	Nil

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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	0	0

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

Name of the Department	Number of PhD's Awarded
Electrical Engineering	1
Basic Sciences	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 any)
International	IT	5	1.05
International	AUE	6	0.80
International	CSE	1	4.87
International	ECE	5	1.53
International	ME	10	1.12
International	EE	7	2.74
International	Basic Sciences	4	3.61
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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
HSS	1
AUE	1
ECE	1
IT	2
CSE	2
ME	3
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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
A Novel QIM Data Hiding Scheme and its Hardware Implementation using FPGA for Quality	Amit Phadikar	Multimedia Tools and Applications, Springer	2020	2.313	Department of Information Technology, MCKV Institute of Engineering, Liluah,	1

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Novel QIM Data Hiding Scheme and its Hardware Implementation using FPGA for Quality Access Control of Digital Image	Amit Phadikar	Multimedia Tools and Applications, Springer	2020	52	1	Department of Information Technology, MCKV Institute of Engineering, Liluah, India
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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	43	328	33	8
Presented papers	20	1	Nil	Nil
Resource persons	1	2	Nil	Nil
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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
Mosquito-Net Donation	Rotaract Club (MCKVIE) in collaboration with RCBC AND RCCSC	1	10
SIT AND DRAW- To Make A Day Special for Under-Privileged Students	Rotaract Club (MCKVIE) in collaboration with CHAUBEY SIKSHA SADAN	4	40

ANNAPURNA- Food Distribution Drive	Rotaract Club (MCKVIE) in collaboration with RCC	1	8
FOOD VEGAS	ROTARY SADAN	2	10
SHINE BRIGHT LITTLE STARS	Orphanage for Especially Able Child	3	15
VASTRA- a cloth donation drive	Dakshineswar locality	5	70
Awareness Programme on Basic Computer Security for School Students	IT department- MCKVIE	2	30
Awareness Programme on Cyber Security for School Students	IT department- MCKVIE	2	50
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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	Nil
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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
A Cleanliness Drive	Rotaract Club (MCKVIE) in collaboration with NEARBY people.	SWACHTA	5	58
A Visit to Old Age Home	Rotaract Club (MCKVIE) in collaboration with Peerless Milan Tirtha	CARVAAN	4	20
A rally to make awareness between people about ROAD SAFETY	Rotaract Club (MCKVIE) in collaboration with Belur Police Station.	ROAD SAFETY	15	250
A rally To Make Awareness Between People About Environment	Rotaract Club (MCKVIE) in collaboration with Belur Police Station.	GREENTIVITY	15	250

To force the government world over to take concentrate on climate control	Rotaract Club (MCKVIE) with other Pan India organizations	GLOBAL CLIMATE STRIKE	1	15
GANGA CLEANLINESS DRIVE	Rotaract Club (MCKVIE) with MULLICK GHAT authority	GANGES RIVER CLEAN UP	2	50
Tying the sacred threads of rakhi on the hands of Policemen at Belur Police Station.	Rotaract Club (MCKVIE) in collaboration with Belur Police Station	Rakhi With Men in Khaki	1	8
To Celebrate Diwali With the Kids of Orphanage	Rotaract Club (MCKVIE) in collaboration with BADAMI DEVI ORPHANAGE	Diwali with orphan kids	4	30
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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
Empowered by MoU	Academic Training partnership	M/s. Ogma TechLab, industrial training division of Ogma IT Conceptions Pvt. Ltd.	27/06/2019	05/08/2019	Ms. Alisha Jaiswal, Mr. Santosh Kumar
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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
--------------	--------------------	--------------------	-----------------------------------------------------

M/s. Ogma TechLab, industrial training division of Ogma IT Conceptions Pvt. Ltd.	31/07/2019	The MOU is primarily targeted for the Training and Placement assistance and Academic exchange co-operation on mutual basis.	208
Webskitters Technology Solutions Pvt. Ltd.	03/09/2019	To strengthen the collaboration of Industries-Institute and to contribute in research and development activities involving young talented students by providing them training in industry oriented application.	212
Tata Power Skill Development Institute (TPSDI), Jojobera, Jamshedpur	16/01/2020	Industry visit (with hands on training) of students for enhancement of practical skill development and exposure of real life industries	30
No file uploaded.			

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
20	13.62

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Classrooms with Wi-Fi OR LAN	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
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing

Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSYS	Fully	LSEASE	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	33742	8087585	905	264969	34647	8352554
Reference Books	4995	1193825	119	31239	5114	1225064
e-Books	1070	1876767	Nil	Nil	1070	1876767
Journals	85	84178	Nil	Nil	85	84178
e-Journals	467	213446	4	1807	471	215253
Digital Database	1	13570	Nil	Nil	1	13570
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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
Dr. Amit Phadikar	Data Structure Algorithm	Moodle Cloud	31/07/2019
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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	700	12	690	2	2	12	8	123	0
Added	0	0	0	0	0	0	0	0	0
Total	700	12	690	2	2	12	8	123	0

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

123 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
Nil	Nil

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
22	20.86	18	17.06

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)

To plan, execute, utilize, monitor and maintain the academic and support facilities such as laboratory, library, sports complex, computers, classrooms etc. there exists several committees in departmental as well as institute level. Few such committees are- Academic Advisory Committee (AAC), Departmental Academic Committee (DAC), Library committee, Sports committee etc. The members of the committee meet at regular interval to discuss and resolve the issues pertaining to academic and support facilities. The proposals coming out of these committees are then placed to the top management for approval. Once the proposals are approved, actions initiated to implement the policies. The maintenance activities of the Institute is under the Administration Department. There are 3 staff members available to handling the entire system of maintenance. For the maintenance of Air conditioners and water coolers in the Institute the AMC is given to Vendors outside. Similarly, the maintenance of Electrical equipments and day to day cleaning, carpentry the work is done and contract is given to vendors outside. Similarly, the security of the Institute is done by outsourcing the job to agency outside on contractual basis.

<http://www.mckvie.edu.in/wp-content/uploads/2021/09/Committee.pdf>

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	Trust Scholarship	43	763200
Financial Support from Other Sources			
a) National	MCM, SVMCM, Kannyashree, Aikyashree, NSP2.0, DWO(SC/ST/OBC), HALF FREE SHIP, FULL FREE SHIP	180	5521200
b) International	Nil	Nil	Nil
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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 implementation	Number of students enrolled	Agencies involved
Aptitude Test training	01/07/2019	14	SMART Training Resources India Pvt Ltd, Chennai
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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
2019	BS VI awareness program offered by VE Commercial vehicles	Nil	50	Nil	27
2019	Pre-Placement Practice Program	Nil	37	1	32
2019	GATE Coaching	1	73	1	1
2019	Pre-placement Training offered by SMART Training Resources Pvt. Ltd., Chennai.	Nil	57	Nil	29

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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
1	1	115

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

108 No. of Organizations	5618	268	35 No. of Organizations	582	32
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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
2020	1	BTech	Automobile Engineering	VelTech Rangarajan Dr. Suganthala RD Institute of Science and Technology	MTech Automobile Engineering, with specialisation in Powertrain Engineering
2020	1	BTech	Computer Science and Engineering	NIT Patna	M. Tech (Computer Science & Engineering)
2020	1	BTech	Computer Science and Engineering	Nottingham Trent University, UK	MSc in Digital Marketing
2020	1	BTech	Computer Science and Engineering	Visvesvaraya National Institute Of Technology	M. Tech (Computer Science & Engineering)
2020	1	BTech	Computer Science and Engineering	Maulana Azad National Institute of Technology, Bhopal	M. Tech (Computer Science & Engineering)
2020	1	BTech	Electronics and Communication Engineering	MCKV Institute of Engineering, Liluah, Howrah	MTech (ECE)
2020	1	BTech	Electronics and Communication Engineering	BITS (Pilani), Goa Campus	ME (Microelectronics)
2020	1	BTech	Electrical Engineering	Narula Institute Technology	M.Tech
2020	1	BTech	Information Technology	KTH Royal Institute of Technology,	M.S

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

Items	Number of students selected/ qualifying
GATE	9
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
Annual Cultural Fest	State	1650
Freshers Welcome (BALAKA)	Institute	287
Annual Sports	Institute	410
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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
Nil	Nil	Nil	Nil	Nil	Nil	Nil
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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 Institution dose not have any Student Council or any similar body but there are several committees in the college which have student member, viz. • Anti-Ragging Committee • Students' Canteen Committee (CAFETERIA) • College Magazine Committee (MCKVIAN'S DIGEST) etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Name of the Association: MCKVIE Alumni Association Registration Number: S/2L No.60214 of 2016-2017 The college has a registered Alumni Association. All the outgoing students automatically become members of the association. The Institute gives importance to feedback data obtained from alumni for the betterment of the Institute. An Alumni meet is organized every year in the institute during which relevant feedback is also collected to improve the institute's performance in academic and professional domain such as the basic requirements of the companies from the graduate engineers.

5.4.2 – No. of enrolled Alumni:

26

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

5.4.4 – Meetings/activities organized by Alumni Association :

MCKVIE Alumni Association's governing body Meeting organized on 31st October, 2019.

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)

Decentralization significantly impacts on policy, planning and management of elementary education. To endorse quality of education to all stakeholders in academic, social, ethical arena our Institute has developed a responsible management. At the same time, decentralization is seen as a means of improving the efficiency of education system and the quality of educational services. i) At various level, the Institute grooms the leadership. Governing body, Management, Principal, IQAC Members, AAC committee, teaching staff, non-teaching staff, supporting staff, student representatives for Hostels, Stakeholders, Alumni and various committees jointly authorized to propose, design, formulate and execute their plans within the frame work of governance. ii) The Academic, Administrative, NSS, IQAC all are working together for the smooth running and over all functioning of the Institute. In case of Participative management: a) Students are empowered to play active role as coordinator of co-curricular and extra- curricular activities, social service group coordinator. The institute inspires a culture of participative management by involving the staff and students in various activities. Rotaract club of this Institute is framed to organize several students' programme in and outside the campus. b) Tech Fest and Fest are organized by the students in every year in a vigorous manner. Students are engaged in designing projects applications in Tech -fest. Students perform in different events in fest. All the programmes are uploaded in the college portal. c) Students are allowed to form the sub-committee in the Boys' Girls' hostel for smooth running of hostel under the supervision of Hostel Superintendent and Hostel Warden.

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

Partial

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
Library, ICT and Physical Infrastructure / Instrumentation	After detailed discussion our library is continuing with existing management software (LIBSYS). To meet the necessary requirements of the new curriculum the library committee has decided to procure some titles in the central library on modern technology and trends. In this respect guidance from all departments are cordially accepted. ? For ICT please refer to Sub-criterion 2.3.1 ? For Infrastructure and Instrumentation please refer to sub criterion 4.1 to 4.3.
Research and Development	In this academic year (2019-2020) we

have organized an in house seminar entitled "R D Project Proposal Preparation". The faculty members having PhD degree, are participated in the seminar and after exhaustive interaction, few emerging field was identified. The respective faculty members was then prepared the proposal for funding and presented their proposal in front of the expert members of that field for further improvement.

Few proposals are now ready for submission as and when the advertisement will be released from the funding agency. We have also fixed the target towards the department that every faculty members of the institute has to publish one paper per year in SCI indexed Journal and each department, must have an ongoing funding project.

Examination and Evaluation

The concept of continuous evaluation for internal assessment of students came into existence in academic year 2018-19. As per the revised guidelines received from affiliating university, the internal assessment had the following components. Type of paper: Theoretical Components of internal marks: Internal Tests Full Marks: 25 Attendance: 5 (to be calculated separately) Descriptions: Normally, there are four numbers of internal tests which are called Continuous Assessments (CA1, CA2, CA3 and CA4) conducted in a semester. The assignments given to the students and quizzes conducted in the class are all the part of these Continuous Assessments. These are taken both offline and online mode. The assessment questions are to be outcome based. Avoid questions which involve only memory exercises and also avoid short notes. Type of paper: Practical Components of internal marks: Lab report, Viva-voce etc. Full Marks: 40 Descriptions: Internal assessment on practical papers is conducted in two phases in a semester (which are called PCA1 and PCA2). Type of paper: Sessional Components of internal marks: Report, continuous monitoring/assessments Full Marks: 100 Descriptions: Assessment on sessional papers is conducted throughout the semester. Remark: The marks obtained by students through these assessments are

uploaded in university website time to time. To complete the evaluation process, end semester examinations are conducted by affiliating university at each semester ends. The full marks for end semester examinations remain 70 for theoretical papers and 60 for practical papers.

Teaching and Learning

Apart from maintaining facilities of the previous year, our Institute has emphasized on providing individual attention to students especially 1st year students. In this respect 20 students are allocated to a coordinator who would monitor the holistic well-being of the learners. Mentors of each stream are allotted from the respective departments and during the induction program interactive sessions between the mentor students are organised effectively. To ensure effective mentoring during the critical days of 1st year Basic Science Department has framed one Coordinator System which executes most effectively.

Curriculum Development

In this academic year our Institute has been conferred autonomy status so regarding curriculum development our Institute has emphasized on a separate curriculum approved by the BOS members. According to industry requirements and needs our experts have framed curriculum for the new entrants. In this academic year our college has planned to introduce two new engineering programmes (ECE-VLSI, CSE-DS) and one MBA programme. The curriculum of affiliating university remains intact for students except 1st year and aims at uniformity for earning credit points of all the streams. To reduce the burden of engineering students the credit points have been reduced from 210 to 160 for all streams. Also the provisions have been made to earn additional 20 points more to get B.Tech honours in engineering. Needless to say that the curriculum aspires for integral development of the learners. In this respect AICTE guidelines are strictly maintained.

Human Resource Management

To facilitate teaching-learning and development of human resources, the faculty members of all departments have attended various faculty development programmes throughout the academic year. The programme includes seminar,

Conference, workshop, training, management capacity enhancement programme etc. Our Institute has cordially given financial support to the same. After getting the input from different sources HR team organises workshops inside human resources, so that from there the piece of the new HR strategy can evolve. The Hr team gather all findings one by one as they can impact the overall strategy.

Industry Interaction / Collaboration

MOU signed between MCKV Institute of Engineering Tata Power Hire Mee conducted assessment for 2020 POB TCS Conducted faculty development program at MCKVIE on Robot Dynamics and Nonlinear/ Adaptive Control TCS Conducted student workshop at MCKVIE on cloud application Infrastructure, Microservice and API First Naukri conducted Online Mock assessment for 2021 POB NASSCOM organised virtual Product: 1st P-Camp Flex.AI is a one stop platform to earn while you learn. Freelancing portal that gives freelancers access to enterprise level projects with an AI based skill It assesses their basics in Data Structures and Programming and their Mathematical and Technical Aptitude. GlobSyn conducted Session on Impact of AI Data Science for 2021 2022 Online Technical Session on Web Development using Python Programming ETAuto.com Virtual Town Hall Series_Vikram Kirloskar Webinar attended by Chandan Saha from Training Placement TCS Ion Career Edge-Free online course spread over 15 days Ogma Tech Lab conducted Machine learning using Python Chandan Saha from TP Cell attended the Webinar on challenges Opportunities for Automotive after market post Covid 19 " by ACMA Chandan Saha from TP Cell attended the Webinar ET Auto Live session Presented by Sukesh Bhagat on 6th May-20 from Modern Malleables Ltd for AUE, EE, ME 2021 POB TP Cell conducted Webinar by Nidhi Chawla, an Industry Personal and working at Terra Motors Corporation Nihlent conducted webinar for 2021 POB TP Cell coordinated Webinar presented by Himadri Chemicals HR on Job Opportunity in Core Sector -India Global Market -Post Covid-19 TP Cell coordinated 30 Hours Free Campus Readiness Boot Camp for 2021 POB TP Head registered

	<p>attended for INFOCOM Virtual Insights - Future of Industry 4.0 Post COVID-19 Era in conversation with Dr. Bhaskar Ghosh Co Cubes conducted Y-1 CoCubes(Pre-Assess) for 2021 POB Chandan Saha from TP-Cell attended the Digital Transformation of University Admissions by AON Co cubes My Anatomy conducted NCET(National National Competence Evaluation Test) Champ program for 2021 POB</p>
Admission of Students	<p>In this academic year our college has hired experts to increase student intake. In this respect the college has sought opinions from the other departments. Their opinions are cordially welcome and are thankfully implemented. For the academic year 2019-20, three hundred and one (301) students have enrolled in B. Tech, M. Tech, and MCA courses. Admission process is going on for 2020-21 session.</p>

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

E-governance area	Details
Planning and Development	<p>WhatsApp groups for the HODs, Deans and Management to share the ideas, information of the world in technological development, upcoming information, economic statistics of the countries, environmental impacts etc. Meetings in Google meet have also been organised during the pandemic.</p>
Administration	<p>Administration accepts the e-governance in different areas like Library (Libsys), e-journal, students registration through on line, online feedback from students, guardians, alumni and Industries to assess the outcome. Online information through students' mobile like attendance, marks obtained in the test has already been activated in the Institute. All type of information is uploaded in the college website for easy access by the students. The Administration of the College functions with E-governance system at Government, Society and College level. The college tries its level-best to keep in touch with the latest tools of administration with available tools in hand. With the help of developed technological world, college staff uses the same for administration purpose. Such as use of Smartphone with inbuilt social app like</p>

	Gmail and WhatsApp they share the notes to students. It helps to provide the brief notice of any event to be happened on college WhatsApp Group for awareness and of smooth functioning of the same. The college has Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras at every place of requirement.
Finance and Accounts	For finance and accounts our college uses Farvision ERP Package for the smooth functioning of the same.
Student Admission and Support	In terms of e-governance, our Institute follows online counselling system organised by West Bengal Govt. All information regarding admission is percolated in the official website. Further, the students receive additional support from the faculty members and technicians of the Institute.
Examination	In case of examination our faculty members use online portal of the affiliated university to fill up marks of internal examinations within scheduled time. The software used by the affiliated university converts all the marks into a proper format for simplification. For further information please refer to Sub-criterion 6.2.1.

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
2019	Soma Bandopadhyay	National Power Training Institute Durgapur	Nil	986
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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)
2020	FDP on	Nil			12	Nil

	AI in Health Care		12/02/2020	14/02/2020	
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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
National Power Training Durgapur	1	14/10/2019	18/10/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
88	88	93	93

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Nil	Nil	Financially weak students have paid subsidised tuition fees during the outbreak of Covid-19 pandemic.

6.4 – Financial Management and Resource Mobilization

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

The financial audit is completed for the academic year 2019-20. The audit report and filing of annual Return is pending. The previous year financial audit has been successfully completed (2018-19).

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
Nil	0	Nil
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6.4.3 – Total corpus fund generated

0

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	Nil	Nil	Yes	Trained Audit Teams of the

				Institute
Administrative	Nil	Nil	Yes	Trained Audit Teams of the Institute.

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

Our Institute does not have any registered Parent – Teacher Association. But in each semester parent –teacher interface happens to affirm and facilitate teaching- learning process. Our Institute welcomes all suggestions and provides verbal feedback of learners to their parents.

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

1) Faculty members and staff visited to Pramod Nagar Slum Area near Belghoria Express Way for Article Distribution towards 100 Nos of needy women under Barranagr RKM Service Project. 2) Celebration of Birth Day Tithi Puja of Swami Vivekananda followed by Discourse for support staff. 3) 185th Birth Day Tithi Puja celebration of Ramakrishna followed by Discourse for support staff and non-teaching staff and faculty members.

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

The following initiatives have been taken by our college to facilitate overall well-being of our stakeholders. 1) To impart values among students, teachers, and staff members our college has organised “One Day Seminar on Value Education Positive Thinking” for everyone. The response from stakeholders is really thrilling. More than 50 faculty members and staff and students have actively participated in the same. 2) Faculty Staff members of MCKVIE attended Concluding 125th Chicago Address of Swami Vivekananda as Devotee Convention at Belur Math, HQ of RKM. 3) Meme making, online debate, fancy dress, poetry writing, song submission competition were organised by Rotaract club of MCKV Institute of Engineering to facilitate creativity and extra-curricular activities.

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	A RALLY TO MAKE AWARENESS BETWEEN PEOPLE	22/08/2019	22/08/2019	22/08/2019	250
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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	Period from	Period To	Number of Participants
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programme			Female	Male
RAKHI WITH MEN IN KHAKI (Tying the sacred threads of rakhi on the hands of Policemen at Belur Police Station)	21/10/2019	21/10/2019	5	3
MAA (TO CELEBRATE MOTHER'S DAY)	10/05/2020	10/05/2020	7	3
Regard before you discard (Creative art and craft competition)	05/06/2020	06/06/2020	20	10

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

The college does not have any choice other than CESC for electric supply. The college also has 3 ecofriendly generators for the supply of emergency electricity to save our ecosystem. The Institute has installed a 5 KW solar power plant consisting of twenty numbers of "Solar Panels", where 10 panels are of 300 watt-peak each and 10 panels are of 260 watt-peak each on the rooftop in A Block. The college is using a few CFL and more LED lights as much as practicable. Institute purchases "Star Rated" electrical appliances such as refrigerator, A.C machine, water cooler etc., to minimize the energy consumption and maintain carbon neutrality of the environment. Institute has proposed to replace most of the resistance regulator, CRT monitors and DOT matrix printers by electronic regulators, LCD monitors and Deskjet/Laser printers, respectively. Institute has already installed 700 LCD- computers (i.e. 95 of CRT monitors are replaced by LCD/ LED monitors). The college has put several posters and reminder notes in classrooms and other relevant places to turn off electric appliances when not in use. The college tries to put the main switch off when there is no need of electricity. Moreover, at SIT and Conference hall at basement, automatic switches are installed that control the switches (i.e. ON/OFF) of the light depending on the occupancy level in the hall.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3
Ramp/Rails	Yes	3
Braille Software/facilities	No	Nil
Rest Rooms	Yes	3
Scribes for examination	No	Nil
Special skill	No	Nil

development for differently abled students		
Any other similar facility	No	Nil

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
2019	Nil	Nil	25/06/2019	30	Summer-Workshop Training	Mechanical-Titagarh Wagon Workshop	14
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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)
Staff service manual	26/09/2020	The service manual consists of general conditions, appointments, increments, working hours, attendance, retirement, disciplinary matters, penalties, act of misconduct, suspension, disciplinary enquiry, leave rule consists of leave for vacation, non-vacation staff, temporary staff, professional responsibility, ethical principles and unacceptable faculty conduct.
Handbook of rules for students	26/09/2020	The manual consists of operational guidelines for examination, institutional protocol, rules for guardian teacher interaction meeting, payment rules for tuition fee and hostel seat rent, general rules for the use of library, rules regard to ragging, and institutional norms for other offences.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
185th Birth Day Tithi Puja celebration of Ramakrishna followed by Discourse	24/02/2020	24/02/2020	20
Birth Day Tithi Puja celebration of Swami Vivekananda followed by Discourse.	17/01/2020	17/01/2020	20
Birth Day Tithi Puja celebration of Sri Ma Sarada Devi followed by Discourse.	18/12/2019	18/12/2019	20
Visit to Pramod Nagar Slum Area near Belghoria Express Way for Article Distribution towards 100 Nos of Needy women under Barranagr RKM Service Project.	01/10/2019	01/10/2019	20
Concluding 125th Chicago Address of Swami Vivekananda as Devotee Convention at Belur Math, HQ of RKM	12/09/2019	12/09/2019	5
One Day Seminar on Value Education Positive Thinking	25/07/2019	25/07/2019	50

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

1) Provision of solar energy 2) Rain water harvesting 3) Establishment of Garden in the campus 4) Recycle or safely disposal of dry wastes, computers and electrical appliances. 5) Use of Sanitary napkin vending m/c 6) Conduct environmental awareness posters and seminars.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I 1. Title of the Practice ICT based Teaching Learning Process. 2. Goal To widen up the learning horizons of the students. 3. The Context In university affiliated Institute teaching learning is normally bounded by prescribed syllabus which quite often fails to satisfy job market demands. It is therefore essential to equip the students with recent development in science and technology by advanced learning from eminent speakers from world renowned

Institutes or Universities. 4. The Practice ICT based teaching learning process is being practiced mainly in the following different ways: a. At least 2 class rooms on every dept. have been set equipped with Internet connection and audio visual facility b. 21 Mbps. Wi-Fi connections are provided in every wherein the campus. c. MCKVIE is a partner Institute of NPTEL with IIT Kharagpur since July 2016 and conducted certificate courses during summer break d. Library is equipped with e-books and e-journals and make it available in institute portal to ensure 24 hours availability e. Five smart boards have been set equipped with Internet connection and audio visual facility to promote ICT f. Regular Online class are taken during the pandemic situation 5. Evidence of Success a. Almost all students of all Departments are enthusiastically taking advantage of this ICT based learning facilities. b. QEEE authority recognized our institute as one of top 20 institutes all over India during 2015-16 on the basis of students attendance and performance. c. 400(Approx) students successfully passed examinations conducted by NPTEL. 6. Problems Encountered and Resources Required a. Problem encountered in implementing full ICT based teaching learning is relating to mindset of both Faculty students. Quite a large number of students still prefer printed books than e-books available in Institutes portal. Even Faculty members prefer Black Board teaching b. A sizeable member of student could just copy information of Internet specifically in project work as a result they would not learn seriously. c. All faculty staff need to be trained to use ICT which is a different problem. d. Moreover, introduction of ICT based Teaching learning is very expensive. As a result resource crunch is major constraint. 7. Notes (Optional) Any other information that may be relevant and important to the reader for adopting / implementing the Best Practice in their institution (about 150 words). 8. Contact Details Name of the Principal: Prof.(Dr.) Abhijit Lahiri Name of the Institution: MCKV Institute of Engineering City: Howrah Pin Code: 711204 Accredited Status: Cycle I Work Phone: 91 33 26549315/17 Fax: 91 33 26549318 Website: www.mckvie.edu.in E-mail: principal@mckvie.edu.in Mobile: 91 9674246187 Best Practice II 1. Title of the Practice One of the best practices followed by the institute is titled as Diagnostic Test of Students at the entry point. 2. Goal This practice is devised to supplement the knowledge of the marks obtained by the students at the entry level to identify areas and topics in which a particular student is weak and what additional inputs he/she would require to cope with the engineering syllabus. 3. The Context The institute always envisages ensuring that all students perform well academically and achieving their post college goals, securing good jobs or entering post-graduate courses according to their choices. But in actuality it was found that a sizeable number of students had a 3rd class, had failed in a number of subjects and/ or lost a year. These students generally did not attend classes regularly or some had entered with low marks. The most important factors appeared to be lack of confidence in medium of instruction and/ or failure to comprehend what is being taught in the class due to lack of basic knowledge of the subjects. In this backdrop it is envisaged to identify the particular areas or subjects in which a student is weak and requires additional coaching or remedial measures to equip him to cope with what is being taught. 4. The Practice The Diagnostic Test is generally conducted within first month of semester start schedule of which is notified to the student at the time of admission. The Test is conducted in Mathematics, Physics, Mechanics, English on the basis of class XII syllabus both in written and verbal communication. Those who score below 60 in a particular subject or in overall result are identified as Weak students. To address the identified weaknesses arrangements are made for Remedial classes on relevant subjects regularly. Arrangement of special caring classes on specific subjects (both domain knowledge soft skill) to clear doubt is also being arranged. Tests are conducted to monitor the results of remedial classes. 5. Evidence of Success As a result of the Diagnostic Tests teachers are became aware from the beginning which are the weak areas in those students and accordingly formulate their

class room teaching as well as areas to be emphasized in Remedial / and doubt clearing classes. The tendency to avoid classes is minimized. Student results have also improved. 6. Problems Encountered and Resources Required University syllabus is already heavy and consumes the regular teaching time of the faculty members. To shoulder the additional responsibility of organizing separate Remedial Classes etc. by them after the normal working hours and / or during summer and winter recess is obviously not welcoming. Additional remuneration for such additional activities would have been encouraging. But this require mobilization of additional resources which is difficult in the given condition. 7. Notes (Optional) Any other information that may be relevant and important to the reader for adopting / implementing the Best Practice in their institution (about 150 words). 8. Contact Details Name of the Principal: Prof.(Dr.) Abhijit Lahiri Name of the Institution: MCKV Institute of Engineering City: Howrah Pin Code: 711204 Accredited Status: Cycle I Work Phone: 91 33 26549315/17 Fax: 91 33 26549318 Website: www.mckvie.edu.in E-mail: principal@mckvie.edu.in Mobile: 91 9674246187

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

https://mckvie.edu.in/wp-content/uploads/2021/07/best_practices_and_distinctiveness-2.pdf

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

Counselling and Guidance: The Institute has counselling and guidance cell available round the clock to the students who need psychological, social, personal and career counselling. Entrepreneur Development Cell: The Institute has established an Entrepreneur Development Cell in collaboration with National Entrepreneurship Network (NEN). The objectives of the cell to motivate, educate and help students to convert their ideas into business through product development. Swami Vivekananda Centre for Positive Thinking: The Institute has a Swami Vivekananda Centre for Positive Thinking helps students to develop morale values and positive attitude. Innovation Centre: To encourage entrepreneurship activities of the students an Innovation Cell under CII and Institutional Entrepreneurship Development (IED) Cell has been formed under National Entrepreneurship Network (NEN). Rotaract Club: Rotaract Club of the Institute under the parent body Rotary Club of Mahanagar has been established, in addition to this an active cell of NSS is also present here. Technical Competition: The Technotica and Tech-Fest were organized to encourage the activities pertaining to robotics and technical competition for MCKVIE students for both within and outside the campus.

Provide the weblink of the institution

https://mckvie.edu.in/wp-content/uploads/2021/07/best_practices_and_distinctiveness-2.pdf

8.Future Plans of Actions for Next Academic Year

Apart from managing and executing day-to-day activities and natural upgradation of the institute, the institute has planned the following for further development of academic and administrative activities of the institute as well as to mitigate the current need of the society. 1. Finding the root-cause analysis of the shortcomings in different aspects of the institute and setting up a road map for their improvement in the near future. 2. Executing a market survey regarding the scarcity of the current skilled manpower in various engineering streams and starting of different certificate/ diploma/post-graduate diploma/degree/BVoc courses to fulfil the demand. 3. Facilitating in creating a Digital Library to

help and promote self study for the students. It planned to store the scanned copy of several text books and the video lectures of the courses, prepared by the internal faculty members.