



Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	KONGU ENGINEERING COLLEGE (AUTONOMOUS)
Name of the head of the Institution	Dr.V.Balusamy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04294220583
Mobile no.	9942820583
Registered Email	principal@kongu.ac.in
Alternate Email	principal@kongu.edu
Address	Perundurai RS Road, Thoppupalayam, Perundurai
City/Town	Erode
State/UT	Tamil Nadu
Pincode	638060
2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	25-Jul-2007
Type of Institution	Co-education
Location	Rural

Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. P. Selvakumar
Phone no/Alternate Phone no.	04294220583
Mobile no.	9566341992
Registered Email	iqac@kongu.ac.in
Alternate Email	principal_office@kongu.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://kongu.ac.in/iqac.php
4. Whether Academic Calendar prepared during the year	Yes
if yes, whether it is uploaded in the institutional website: Weblink :	http://coe.kongu.edu/schedule.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.13	2016	19-Feb-2016	18-Feb-2021

6. Date of Establishment of IQAC	01-Jun-2016
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/beneficiaries
ISO9001:2015 Certification Audit	24-Feb-2020 3	25
Consultancy- Webinar on Art of Consulting	05-Jun-2020 1	65
Research-Webinar on Reference Management using Endnote	02-Jun-2020	114

	1	
Research-Webinar on Journals indexing and Literature Review Process	29-May-2020 1	126
Research-Webinar on Problem Formulation in Research	22-May-2020 1	149
Research-Webinar on Publish to Prosper	19-May-2020 1	93
Student Support -Talent Show	02-Nov-2019 2	1500
Outcome Based Education: Performance Indicators in Teaching- Learning	04-Jul-2019 2	40

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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
MBA	IMPRESS	ICSSR	2019 730	1260000

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

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

2

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

No

from any of the funding agency to support its activities during the year?

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

1. Teaching and Learning – Use of Performance Indicators as per AICTE’s Education Reforms 2. Introduction of new Skill Development Courses 3. Improvement in Research Publications 4. Increase in MoU with Industries 5. Improvement in Student Internship 6. ISO9001:2015 Certification

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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	Achivements/Outcomes
Quality Plan	Nonconformity report

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	24-Oct-2020

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

2018

Date of Submission

22-Nov-2018

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)

Developed own Management Information System. Faculty database is managed through online portal. Faculty Performance Evaluation is completely

done with online portal developed by inhouse ERP Faculty Team. Data feeding and Data Validation are done via Online only. Office Automation software are already in place. Now the ERP team is working on customized Office and Hostel Administration modules.

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
BE	CER	Civil Engineering	09/07

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Int
BE	Civil Engineering	18/11/2019	14CSO09 - Programming Skills and Career Skills	18

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1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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

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

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

Electrical CAD

03/06/2019

23

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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 Proj Internships
BE	Civil Engineering	41

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institute (maximum 500 words)

Feedback Obtained

• The feedbacks given by Apex Committee Visit and Academic Audit are well considered for effective implementation. • End of every semester feedback will be collected from students about the course and course teacher and appropriate closed loop measures are in place, in addition to periodic feedback analysis of the same before each continuous assessment test in form of 'Course Monitoring Meeting'. • Institute level student council meeting will be held once in a semester to receive feedback and well use for smooth functioning and overall development of the institute. • Par Teachers meeting, Alumni meeting and Recruiters meeting are conducted periodically. The respective feedbacks are well analyzed and appropriate closed loop action in place. Based on the feedback analysis and the suggestions, the key improvements are as follows: • Curricular enrichment with improved OBE based pedagogy methods in teaching learning process Industry linkages improved • Promotion of student exchange program at international level • Introduction of Alumni Mentoring

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	S E
BE	Civil Engineering	240	132	

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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 fulltime teachers available in the institution teaching only UG and PG courses
2019	1777	284	430	95	

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems 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 used
525	525	24	81	81	

[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)

Yes, mentoring system is available in the institution. In each department for every unit of 60 students, mentors are available and also assigned a separate contact hour in the time-table. The role is to provide guidance and counseling to the students at all stages in their academic careers. The mentorship includes role modeling, advising and nurturing both fast and slow learners.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee ratio
8058	525	15.1

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 posts filled
18	17	1	17	

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at 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, recognition received from Government or recognized bodies
2020	Dr. T. Gunasekar	Assistant Professor	Shri P K Das Memorial Best Award for the Best faculty

Junior Category for the year

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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 semester-end/ year- end examination
BE	All courses	1 Sem / I Year	24/12/2019	11/02/2020

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

Number of complaints or grievances about evaluation	Total number of students appeared in the examination
248	7994

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://kongu.ac.in/pages/ug.php>

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
AUR	BE	Automobile Engineering	68	68

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2.7 - Student Satisfaction Survey

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

www.kongu.ac.in/iqac

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

No

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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
National	Dr.M. Bhuvaneshkumar	Post Doctoral Fellowship	22/01/2020

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3.2 - Resource Mobilization for Research

3.2.1 - Research funds sanctioned and received from various agencies, industry and other organisations during the year

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received in year
Major Projects	1095	AICTE	10.11	9.96

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

No Data Entered/Not Applicable !!!

3.3 - Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.
Seminar on "IPR Patents"	TBI @ KEC in association with IIC/KEC

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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
Tractor Design Competition	C.Gobinath	SRM Institute of Science and technology, Chennai.	22/08/2019

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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	No. of Start-ups
TBI@KEC	Technology Business Incubator @ Kongu Engineering	National Science and Technology Entrepreneurship Development Board of Department of Science and Technology,	Grass Feather Landscapes IoT LLP	IT - App Development	19/

	College (TBI@KEC)	Government of India. (NSTEDB/DST/GoI)			
TBI@KEC	Technology Business Incubator @ Kongu Engineering College (TBI@KEC)	National Science and Technology Entrepreneurship Development Board of Department of Science and Technology, Government of India. (NSTEDB/DST/GoI)	Nalvinai Energy Systems	Renewable Energy	07/
TBI@KEC	Technology Business Incubator @ Kongu Engineering College (TBI@KEC)	National Science and Technology Entrepreneurship Development Board of Department of Science and Technology, Government of India. (NSTEDB/DST/GoI)	K.G Automation	Industry Automation	02/

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3.4 - Research Publications and Awards

3.4.1 - Ph. Ds awarded during the year

Name of the Department	Number of PhD's A
Civil Engineering	1
Mechanical Engineering	4
Mechatronics Engineering	3
Electrical and Electronics Engineering	1
Electronics and Instrumentation Engineering	3
Electronics and Communication Engineering	2
Computer Science and Engineering	8
Information Technology	3
Chemical Engineering	3
Food Technology	2
Mathematics	1
Chemistry	1
Management Studies	1
Computer Applications	2

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

Type	Department	Number of Publication	Average Impa (if an
International	Electrical and Electronics Engineering	43	0.6

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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 Publications
Electrical and Electronics Engineering	2

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3.4.4 - Patents published/awarded during the year

Patent Details	Patent status	Patent Number	
An Alkaline Protease Enzyme Purifying, Recovering Apparatus and Process Thereof	Published	18/CHE/2014	20

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3.4.5 - Bibliometrics of the publications during the last academic year based on average citation 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 excluding self
No Data Entered/Not Applicable !!!						

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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
An Analyzing of Cross Layer Design for Implementing Adaptive Antenna Technique in Mobile Ad-Hoc Networks	Dr.T.Gunasekar	Journal of Testing and Evaluation	2019	33	1	Eng C

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

Number of Faculty	International	National	State
Attended/Seminars/Workshops	71	778	219

Presented papers	150	48	7
Resource persons	3	67	74

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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 gen (amount in rupees)
Civil Engineering	Mix Design	Shri Ranganathar Crusher plant	16000

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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)
EEE	Xilinx Vivado Design for Signal and Image Processing using Hardware CoSimulation in Zynq SoC	Participants from other engineering colleges	16350

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3.6 - Extension Activities

3.6.1 - Number of extension and outreach programmes conducted in collaboration with industry, co-operatives 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 participants
Blood Donation Camp	NSS, IRT Perundurai Medical College Hospital and Erode Government Hospital	3	60

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3.6.2 - Awards and recognition received for extension activities from Government and other recognised bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of awards
Swachh ata clean campus	National Level Clean and Smart Campus Awards - 2019	AICTE committee from the Ministry of Human Resource Development	1

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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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat Summer Internship	NSS KEC	Clean India project	3	10

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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
International Research Collaboration Design and Development of Smart Grid Architecture with Self Healing Capability Using Intelligent Control Techniques - A Smart City Perspective	Dr.S.Albert Alexander	DST

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3.7.2 - Linkages with institutions/industries for internship, on-the-job training, project work, shared 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
Internship	Internship	BOSCH	15/07/2019	31/03/2020

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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 MoU
SMARTCHAINERS Thiruvannamipur, Chennai	14/03/2020	Organized guest lecture in the topic of Block Chain and its Applications	130

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure deve
1021	972.88

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existin A
Campus Area	Exi
Class rooms	Newl
Laboratories	Newl
Seminar Halls	Newl
Classrooms with LCD facilities	Newl
Seminar halls with ICT facilities	Exi
Video Centre	Exi
Value of the equipment purchased during the year (rs. in lakhs)	Newl
Classrooms with Wi-Fi OR LAN	Newl
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newl

[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	Y aut
NIRMALSUITE 2014 PREMIUM PACKAGE	Fully	NIRMALSUITE 2014	

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	75888	31317460	1255	787326	77143	3
Reference Books	898	7930192	85	644241	983	8
e-Books	262014	100300	541	0	262555	
Journals	335	869699	0	0	335	
e-Journals	0	0	2436	3025351	2436	3
Digital Database	0	0	4	574795	4	
CD & Video	613	296133	0	0	613	

Library Automation	1	100000	0	0	1	
Weeding (hard & soft)	1459	235043	0	0	1459	
Others (specify)	8727	13841015	0	0	8727	1

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launch center
Dr.S.Malliga	Problem Solving Aspects and Python Programming	SWAYAM MOOC	27/01
Dr.R.Thangarajan	Problem Solving Aspects and Python Programming	SWAYAM MOOC	27/01
Dr.S.V.Kogilavani	Problem Solving Aspects and Python Programming	SWAYAM MOOC	27/01
S.M.Senthil	Engineering Drawing	YOUTUBE	13/04
Dr. A. Mohankumar	CAD/CAM/CIM	YOUTUBE	10/04
A.Abubakkar	Heat Transfer	YOUTUBE	02/04

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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	Availabl Bandwid (MBPS/GB)
Existing	2637	82	0	2	0	1	19	450
Added	13	0	0	0	0	0	0	62
Total	2650	82	0	2	0	1	19	512

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

512 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 facility
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No Data Entered/Not Applicable !!!

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, 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
1816.48	1231.9	664	547.46

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

□ The maintenance committee is headed by the Registrar who in turn monitors the work of the Supervisor at the next level. The Supervisor is accountable to the Registrar and functions as the coordinator who efficiently organizes the maintenance workforce, maintaining duty files containing details about their individual floor wise responsibilities, timings, leave etc. The maintenance department conducts periodic checks to ensure the efficiency / working condition of campus infrastructure. □ Adequate In-house staff is employed to meticulously maintain campus hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar hall, Laboratories, etc are cleaned and maintained regularly by Non teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is maintained by a full time gardener. □ Optimum working condition of properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Conditioners, CCTV cameras and Water Purifiers. Apart from contract work the college has trained in house electricians and plumbers. □ Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. □ Parking facility is well organized. It is efficiently maintained by annually renewed contract employees. □ Campus maintenance is monitored through surveillance Cameras. □ Every department maintains a stock register for the available equipment. □ Regular inspection is done and verification of stock takes place at the end of every year. □ The civil and electrical work is adequately monitored and maintained by the Estate office. □ Periodic reporting on requirements of repair and maintenance are submitted by the HODs to the Administrative office. □ Requirements are collectively processed in every semester break so as to get things ready for the new semester. □ Pest control of library books and furniture is done every year by the maintenance department. □ Estate office manager and his team are involved in the maintenance of infrastructure facilities. □ The team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and housekeeping. □ The nonteaching staff is also trained in maintenance of science and computer equipment. □ The Estate office workers look after the maintenance of rest rooms, approach roads and neatness of the entire campus. Housekeeping services are regularly executed and monitored.

<https://kongu.ac.in/iqac.php>

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 Ru
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No Data Entered/Not Applicable !!!

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development 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 in
Remedial Coaching for 14EET52 - Microprocessors and Microcontrollers	04/10/2019	18	Dr.M.Kart Kongu Engin Colle

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered 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
2020	Higher Education and Competitive Exams	338	650	61

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance
0	0	0

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
M/s. Oracle	112	22	M/s. Informatica	45	

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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	Number of students
2019	1	BE	Electrical and Electronics Engineering	ICFAI Business school HyderabadMBA	

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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
CAT	17

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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
Basketball (Men)	Anna University Sports Board Zone-12 Inter-collegiate Tournaments and Sports	

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5.3 - Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Number of students
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)

Students council comprising the head of the Institution and the student representatives of the each class is formed and meetings are conducted periodically. Apart from that, various associations, cells, clubs, cells and professional bodies are in place to showcase the students talents in curricular, cocurricular and extra curricular activities. The Student Council and various club activities create opportunities for leadership and personality development. The inputs from the students support the management and staff in development of the institution. The general concerns of students are represented by the College Students council members and continuous improvement is made towards student's welfare related to placement, studies and entrepreneurship. Students are the connecting bridge for developmental activities of the college. Participation in the club/

activities allow students To have strong association with their peers. They hold the positions of the office bearers of the respective associations, cells, clubs, chapters, professional bodies etc. and have the opportunity to organize the association programmes.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 - No. of registered Alumni:

0

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

0

5.4.4 - Meetings/activities organized by Alumni Association :

4

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

- The college promotes a culture of participative management. Students and faculty members are involved at various levels in decision making and implementation of strategies.
- Participative management is encouraged by including faculty members in the statutory bodies such as Governing Council, Academic Council, Finance Committee, Board of Studies, Discipline Committee, Anti Ragging Committee, etc.
- All academic activities are supervised by faculty members at department level in line with college goals.

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 each):

Strategy Type	Details
Admission of Students	The admission process is transparent and is carried out in accordance with the guidelines prescribed by Directorate of Technical Education, Government of Tamilnadu.
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • The Industry Collaboration is one of the core strengths of our college and this is achieved through various activities such as Facilitating inplant training, industry visits and final semester internship for students across various disciplines. • Taking up industrial consultancy to provide solution for industry problems. • Training industry personnel in new techniques. • Deputing faculty for industry training.

	<p>Signing MOUs with good companies • Membership in ind associations like CII, EDISSIA, etc.</p>
Human Resource Management	<ul style="list-style-type: none"> • The college has sincere, dedicated and committed faculty visionary management. • The college has an adequate number of qualified and competent teachers to handle the courses. • Faculty development Programmes and training programmes arranged for the faculty to enrich their knowledge in various areas. • Faculties are also encouraged to participate in conferences, conclaves, workshops, etc which help them to develop their network. • Encouragement and support provided to faculty members for conducting industrial consultancies and training programmes
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • The college provides all infrastructures which in fact provide a conducive physical ambience for the faculty : of adequate library, research laboratories, ICT, computer facilities and allied services. The faculty can access e-journals subscribed by our college. • Knowledge and information database/packages provided to the faculty and students for quality teaching, learning and research through internet and intranet facilities. • Teachers have access to internet and can download teaching materials and resources. They can take photocopies through the reprographic facilities at a nominal cost. The college provides the basic necessities for research in terms of lab facilities, instruments and library facilities which provides good atmosphere for effective teaching and research
Research and Development	<ul style="list-style-type: none"> • The college has a Research Development cell to monitor and address issues related to academic research. The cell is headed by Dean (R D). Each department has a research coordinator to facilitate, monitor and encourage the research activities. • R D cell conducts research workshop for students and faculty members. Teachers are informed about the various funding schemes available and they are encouraged to apply for the same. Faculty members who do not have a doctoral degree are encouraged to register for PhD. Thrust areas for research within the departments are identified and faculty members are grouped to work on the thrust areas, based on their expertise. • Students and members of the faculty are encouraged to publish papers in journals and conferences.
Examination and Evaluation	<ul style="list-style-type: none"> • The progress of the students in various courses is assessed continuously by conducting three module tests spread over a semester. Depending upon the course content, students are assessed through projects, individual and group assignments, case analysis, seminar presentations, role plays etc. • A faculty member in each department is assigned the responsibility of coordinating continuous assessment to ensure to carry out our assessment process better. This includes setting the question papers ready in time, maintaining confidentiality better, conducting the tests and to ensure better discipline during the examinations. • End sem

	<p>examinations are conducted under the supervision of Examination cell headed by the Controller of Examinations. Centralized paper evaluation is undertaken and the results are declared after the approval of the results passing board of the college. • Some of the features include: Central vetting of Question paper vetting by the subject expert before the examination and auditing after the examination, • Transparent Results, • Monitoring the performance of the students through Semester Exams, Declaration of Results in time and conduct of supplementary / arrear examination for failed students. Effective student support system with constant monitoring and counselling where each Faculty advisor motivates a group of students. Student progress report is sent thrice a semester to parent to increase the rapport with stakeholders</p>
<p>Teaching and Learning</p>	<p>• The teaching, learning and assessment strategies of the college are structured in order to facilitate the achievement of the intended learning outcomes. • The curriculum of each semester is completed within the stipulated time through meticulous planning of the courses of study, timely continuous evaluation, end semester examinations, follow-up grading of results. • The college provides course objectives and course schedule for enabling the students to get a clear idea of what they are going to learn. Learning in all courses is made more student centric. Detailed course plan in line with the prescribed syllabus for every theory course and a well-defined lab cycle for lab courses ensures smooth conduct of classes. Computer aided learning is given priority in teaching and learning methods. The college creates a culture of innovation and nurturing creativity among the learners through various academic activities. It has a feedback mechanism to evaluate the teachers and the feedback is reviewed every semester. Course monitoring Committee meetings are conducted by the college to hear the voice of students and to ensure transparency in curriculum delivery and evaluation pattern.</p>
<p>Curriculum Development</p>	<p>• The college follows a systematic process in the design and development of the curriculum. Syllabus is subjected to periodic revision. • Feedback from course teachers is collected by the respective departments which is consolidated and discussed in the Board of Studies for revision. • Inputs from employers and alumni also give direction on the required modifications to be made in the syllabus as per industry needs.</p>

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

E-governance area	Details
<p>Planning and Development</p>	<p>Approval /letters tracking system are in place Developed by Faculty and students (www.approval.kongu.edu) Consultation Training activities approval system is done through www.iipc.kongu.edu/iipc which was developed by KEC faculty</p>

	students WhatsApp and Telegram Group helps to provide the notices of any event to be happened on college.
Administration	To achieve the target of Paperless, we are using the facilities like Google sheets and forms for data collection, organizing seminars, workshops and programme registration etc The communications is facilitated with cloud based email system for faculty and students through Microsoft and Google. Biometric attendance for teaching and nonteaching staff campus is equipped 324 CCTV Cameras installed at various places. CCTV surveillance on mobile by Principal.
Finance and Accounts	We are using Tally ERP 9.0 for maintaining the transparent functioning of all Accounts of the college. Consolidated Book, Voucher printing, Cheque printing, Cheque slip printing, Bank Reconciliation statement, Ledger, Trail Balance, Balance sheet and Income Expenditure statement are generated through Tally.
Student Admission and Support	The software is developed so as to fulfill the need of admission and Support. As the admission process is semi-online admission forms are also provided. Students submit primary and required documents at respected counters. The software is also used for student support like issuing Transfer Certificate, Bonafide certificates and Issue of Bus Card. Students are paying the Fee through KVB ATM anywhere in the Country. INSPRO PLUS SOFTWARE (Developed by PalPap, Chennai) is used for maintaining students details and attendance.
Examination	Uploading the students nominal roll received from the admission section and curriculum details received from the Curriculum Development Cell to the software. Preparing course list on current semester and previous arrear details available in the database. Online registration for the passed out students to register for their arrear courses. Timetable generated for End Semester Examination and published in the COE website. Based on the registered students, preparation of course list for question paper setting. Updating the details like session of attendance, Course withdrawal for the current semester. Generating day wise details with exam date and session for courses, no. of students registered to conduct End semester examinations. Generating day wise Attendance with photo of student and barcode for the registered number to conduct examination. Hall and seating arrangement for the end semester examination for the registered students. Updating the present and absent details of the students for each course. Generating dummy numbers for the appeared students. Allotting the seats for the various phases of valuation. Mark entry through software during valuation. Preparing data for the result Passing Meeting. Processing the data for the result publication. Publication of results in the COE website Updating details for the revaluation courses and publishing the revaluation results. Printing of the grade sheet and consolidated grade sheet. Generating the list of students who are eligible for the

of degree to submit to the Anna University. Getting student feedback for the courses and faculty through online surveys. Generating and issuing the transcripts to the degree course students.

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
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No Data Entered/Not Applicable !!!

[View File](#)

6.3.2 - Number of professional development / administrative training programmes organized by the college for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Non-teaching staff
2020	Current Trends in Nuclear material Research and Technology		09/01/2020	09/01/2020	33	

[View File](#)

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
Workplace Communication and Softskills	3	20/08/2019	20/08/2021

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
525	525	365	365

6.3.5 - Welfare schemes for

Teaching	Non-teaching
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1. Group Insurance 2. EPF - Applicable to all staff members 3. Gratuity - Implemented 4. Emergency advance for Medical treatment 5. Sponsorship to attend Seminar / Paper presentation / Conference - in India Abroad 6. Sponsorship to attend quality improvement and faculty development programme 7. Revenue sharing by staff in consultancy / testing 8. Free Lodging facility to staff members who are staying in hostels 9. On campus Quarters facility available 10. Bank Loan facility at concessional interest rates through the Karur Vysya Bank	1. Group Insurance 2. EPF - Applicable to all staff members 3. Gratuity - Implemented 4. Emergency advance for Medical treatment 5. Revenue sharing by staff in consultancy / testing 6. Free Lodging facility to staff members who are staying in hostels 7. On campus Quarters facility available 8. Free Uniform and Shoes are given to Non-Teaching Staff 9. Bank Loan facility at concessional interest rates through the Karur Vysya Bank	1 I - A E : E I : M P: : f T: S
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6.4 - Financial Management and Resource Mobilization

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

Internal Audit The institution conducts internal auditing every month is conducted by a certified chartered accountant. This covers all financial transactions and they verify the expenses and also whether the financial transactions are within the norms stipulated by the institutions. **External Audit** It is done by a certified chartered accountant firm every year. All the financial auditing according to the financial regulations and the accounts to the I.T. department.

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

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.
NIL	0

No file uploaded.

6.4.3 - Total corpus fund generated

109826000

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	Aut
Academic	Yes	TUV SUD	Yes	I
Administrative	Yes	TUV SUD	Yes	I

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

1. Involvement in anti-ragging committee and counseling to students 2. Support from parents for the overall growth of the Institution. 3. LAN connectivity

the smart class room project

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

Skill upgradation Programmes Workshop on Sky yoga for holistic health
Workshops for Current Technology in Computer science

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

1. Food wastes from the hostels are taken for bio gas plant. 2. Solar Plants and solar water heaters are used in the college. 3. Energy efficient lighting is adopted.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	
b) Participation in NIRF	
c) ISO certification	
d) NBA or any other quality audit	

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	Imp
2019	Teaching- Learning	03/07/2019	04/07/2019	05/07/2019	
2019	Student Support -Talent Show	03/07/2019	22/11/2019	23/11/2019	
2020	ISO9001:2015 Certification	03/07/2019	24/02/2020	26/02/2020	
2020	Research - Webinar on Publish to Prosper	16/03/2020	19/05/2020	19/05/2020	
2020	Research - Webinar on Problem Formulation in Research	16/03/2020	22/05/2020	22/05/2020	
2020	Research - Webinar on Journals indexing and Literature Review Process	16/03/2020	29/05/2020	29/05/2020	
2020	Research - Webinar on Reference Management using Endnote	16/03/2020	02/06/2020	02/06/2020	
2020	Consultancy- Webinar on Art of Consulting	16/03/2020	05/06/2020	05/06/2020	

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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 year)

Title of the programme	Period from	Period To	No. of Participants
			Fe

Sensitivity Awareness and Motivation Programme	05/09/2019	05/09/2019	
One day Seminar on Gender Equality	22/10/2019	22/10/2019	:
Invited Speech on Impact of Gender Discrimination on Society	30/11/2019	30/11/2019	:
Pongal (Makarsankranthi) Celebrations	10/01/2020	10/01/2020	!
Gender Equality - Invited Talk	25/02/2020	25/02/2020	
Guest lecture on "Women Health Care Monitoring"	30/11/2019	30/11/2019	
Women's Day Celebrations Shristi 2020	14/03/2020	14/03/2020	

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

Percentage of power requirement of the University met by the renewable energy source
34

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number benefited
Physical facilities	Yes	12
Provision for lift	Yes	100
Ramp/Rails	Yes	12
Braille Software/facilities	No	0
Rest Rooms	Yes	13
Scribes for examination	Yes	2
Special skill development for differently abled students	No	0
Any other similar facility	No	0

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 participants
2019	10	10	17/07/2019	10	Swatchh Bharat	Cleanliness	

[View File](#)

7.1.5 - Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Value	13/08/2019	Kongu Engineering College has signed an MoU w

Education		Padmasoorya Naturopathy and Yoga Foundation (PSN) conducting value education course, which is part first year curriculum for the benefit of BE, BTE and MSc students. A Separate time table has been on Saturday to teach values and yoga practice
Value Education	09/01/2020	Kongu Engineering College has signed an MoU with Padmasoorya Naturopathy and Yoga Foundation (PSN) conducting value education course, which is part first year curriculum for the benefit of BE, BTE and MSc students. A Separate time table has been on Saturday to teach values and yoga practice
Special Guest Lecture	04/01/2020	A special programme organised by the Yoga and Meditation Centre of Kongu Engineering College, Perundurai January 2020, renowned industrialist Padmasri Maelanandhan President, World Community Service participated as Chief Guest and delivered a special lecture on the topic "Steps to Success".
Yoga Foundation Course	01/02/2020	As part of the Faculty Development Programme, Faculty course on "Yoga and Meditation" of Vethathiri Ma Simplified Kundalini Yoga was organized from 01.03.2020 to 11.03.2020. Kundalini Yoga, Simple Exercises, Kayakalapa Exercise was practiced by participants continuously practiced by participants: Exercise morning 5 am to 6 am and Meditation: Evening 6 pm to 7 pm.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Remarks
Faculty Development Programme for Student Induction Programme	27/05/2019	29/05/2019	
Faculty Development Programme for Student Induction	17/06/2019	23/06/2019	
Course on Value Education	05/08/2019	16/03/2020	
Course on Professional Ethics and Human Values	18/11/2019	16/03/2020	

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

Tree plantation, rain water harvesting, recycling of waste water etc some of the initiatives taken by the institution. Segregation of degradable and non degradable waste is done in the college campus e-waste is collected and auctioned. Waste water is recycled and used for gardening purposes. Wastes from the hostels are taken for bio gas plant. Solar cells and heaters are used in the college. Energy efficient lighting is adopted. Energy audit is carried out.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

1.Introduction of Autonomy subjects and change of question paper pattern to suit the needs of industry 2.Open book test to enhance the technical skills of the students 3.Introduction of continuous assessment in the lab to improve the experimental skill of the student Conduct of GATE coaching classes 4. Developing own Open Online Learning Environment introduction of inter disciplinary electives 5. Automation by ERP Team 5.Effective Institution Innovation Cell for projects 6. Start-Ups working along with Technology Business Incubator

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

<http://coe.kongu.edu/index.php>

7.3 - Institutional Distinctiveness

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

Academic year 2019_2020 has been very purposeful and fruitful amid COVID-19 pandemic. This year too witnessed many milestones in terms of achievements in Academics, Co-Curricular activities, Sports and games, Research Development and consultancy activities, which further enhanced and improved the quality of education and contributed to the overall development of the student.

Provide the weblink of the institution

<https://kongu.ac.in/iqac.php#>

8.Future Plans of Actions for Next Academic Year

- Teaching and Learning enhancement
 - o Commencement of new courses (Minor degrees /Hons. in emerging areas)
 - Artificial Intelligence/ Machine Learning - CSE / ECE
 - Data Science - CSE / ECE
 - Internet of Things (IoT) - CSE
 - Smart cities - Civil
 - Robotics - Mechanical
 - 3D printing - Mechanical
 - Electric Vehicles - Mechanical / Electrical
 - o Students Diversification
 - o Increase in the percentage of admission from other states / countries
 - o Improving the success rate of graduates
 - o Promoting interdisciplinary projects
 - o Establishing students' exchange program with foreign universities
 - o Improving the combined metric for Placement and Higher Studies
 - o Increasing the median salary of students getting placed
 - o Increasing the success rate of students in competitive examinations
- Research and Professional Practice
 - o Research park establishment
 - o Improving collaborations with RD organizations and foreign universities
 - o Increase in the full time PhD research scholar enrollment
 - o Increase in quality of publications
 - o Enhancement in RD Grants received from funding agencies
 - o Increase in patents and product development
 - o Industrial collaborations
 - o Centre of excellence in association with leading industries
 - o Setting up of new laboratories / upgrading of existing laboratories with industrial collaboration
 - o Increase in industrial consultancy revenue
 - o Inducting adjunct faculty from reputed industries
 - o Human Resource and Infra-structure development
 - o Budget utilization for establishing state-of-the-art facilities
 - o Preference for PhD candidates from industrial experts while recruiting
 - o Increasing NPTEL/ SWAYAM online enrollment
- Accreditation and Ranking
 - o NBA accreditation for Civil,

**Automobile, MBA MCA courses o Re-assessment for cycle 2 - NAAC o Progr
NIRF rankings**
