

MANDATORY DISCLOSURE 2021-2022

Updated on: 14.04.2022

AICTE File No	South-West/1- 2016521630/2014/EOA
Date and period of last approval	01.07.2021
AICTE Permanent ID	1-4201211

1. Name of the Institution

Name of the Institution	Mar Baselios College of Engineering and Technology (Autonomous)
Address of the Institution	Mar Ivanios Vidhyanagar, Nalanchira, Thiruvananthapuram, Kerala - 695 015.
Longitude and Latitude	76°-54' 00" E Longitude, 8°-30' 00" N Latitude
Phone number with STD code	471-2545868,2545870
FAX number with STD code	471-2545869
Email	mbcet@mbcet.org, principal@mbcet.ac.in
Website	www.mbcet.ac.in
Office Hours at the Institution	9.00 am to 5.00 pm
Academic hours at the Institution	9.15 am to 4.30 pm
Nearest Railway Station (dist. In Km)	Trivandrum Central, 8 kms
Nearest Airport (dist. In Km)	Thiruvananthapuram International Airport, 16 kms
Type of Institution	Private-Self Financed
Category (I) of the Institution	Minority, Religious Minority
Autonomous Status	Autonomous

2. Name and address of the Trust/ Society and the Trustees

Name of the Organization running the Institution	Malankara Catholic Educational Society of the Archdiocese of Trivandrum
Type of the Organization	Charitable Society
Address of the Organization	Major Archbishop's House, Pattom, Thiruvananthapuram - 695 004
Registered with	Travancore-Cochin, Literary, Scientific and Charitable Societies Act XII of 1955.
Registration Date	20.11.1996, Reg No. T - 1133.
Website of the Organization	www.malankaracatholicchurch.net

3. Name of Principal/Director

Name of the Principal	Dr. Abraham T Mathew
Exact Designation	Principal
Phone Number with STD Code	471-2545868,2545869
Fax Number with STD Code	471-2545869
Email	atm@mbcet.ac.in, principal@mbcet.ac.in
Highest Degree	Ph.D (IIT-D)
Field of Specialization	Electrical Engineering

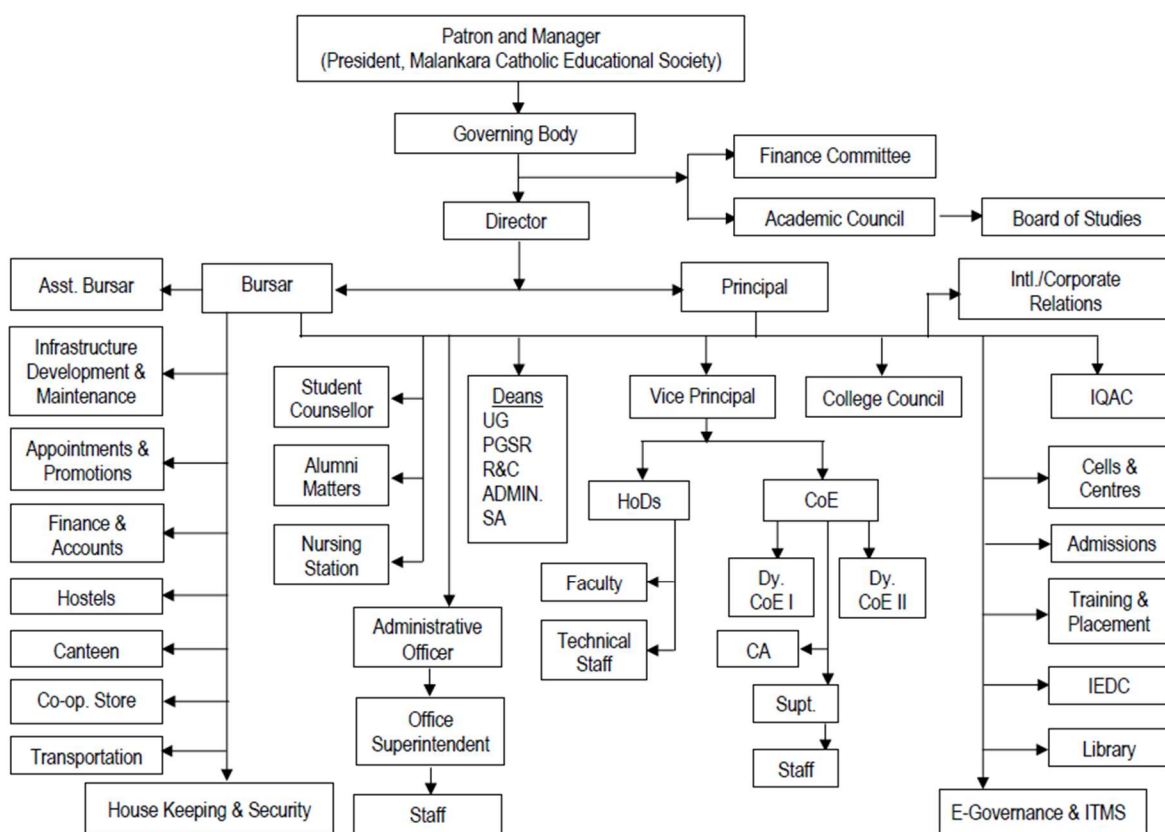
4. Name of the affiliating University

Name of the Affiliating University	APJ Abdul Kalam Technological University
Address	CET Campus, Thiruvananthapuram
Website	www.ktu.edu.in

5. Governance

Members of the Governing Body	https://mbcet.ac.in/governing-body-2/
Members of the Academic Council	https://mbcet.ac.in/academic-council/
Members of the College Council	https://mbcet.ac.in/college-council-2/
Frequency of meetings	Twice in a year/as and when required.

Organizational chart and processes



Mechanism/ Norms and Procedure for democratic/ good Governance	Available
Student Feedback on Institutional Governance/ Faculty performance	Available
Grievance Redressal mechanism for Faculty, staff and students	Available
Establishment of Anti Ragging Committee	Available
Establishment of Online Grievance Redressal Mechanism	Available
Establishment of Grievance Redressal Committee in the Institution and Appointment of OMBUDSMAN by the University	Available
Establishment of Internal Complaint Committee (ICC)	Available
Establishment of Committee for SC/ST	Available
Internal Quality Assurance Cell	Available

6. Programmes

NBA Accreditation Status		
#	Name of Programmes approved by AICTE	Status of Accreditation of the Courses
1.	B.Tech in Civil Engineering	Accredited
2.	B.Tech in Computer Science and Engineering	Accredited
3.	B.Tech in Electrical and Electronics Engineering	Accredited
4.	B. Tech in Electronics and Communication Engineering	Accredited
5.	B. Tech in Mechanical Engineering	Accredited
6.	M.Tech in Computer Science and Engineering	Not Eligible
7.	M.Tech in Machine Design	Not Eligible
8.	M.Tech in Power Control and Drives	Not Eligible
9.	M.Tech in Structural Engineering	Not Applied
10.	M.Tech in Telecommunication Engineering	Not Eligible
NAAC Accreditation Status		
	Accredited	A grade (3.13)- valid till 31 December 2025

#	Name of Programmes approved by AICTE	Number of seats	Duration	Cut off marks/rank of admission during the last three years			Fees	Placement Facilities
				2021-2022	2020-2021	2019-2020		
1	Civil Engineering	120+6	8 semesters	4754 9	5312 5	4472 4	Annual Tuition Fee: Rs. 75,000/- Fee for special facilities: Rs.10,000/- Interest Free Refundable Deposit: Rs. 1,00,000/-	Placement Statistics: https://mbcet.ac.in/training-placement-statistics/
2	Computer Science & Engineering	120+6	8 semesters	4641 8	4440 1	4394 1		
3	Electrical & Electronics Engineering	120+6	8 semesters	4654 2	4829 2	4468 8		
4	Electronics & Communication Engineering	120+6	8 semesters	4748 3	5249 2	4504 7		
5	Mechanical Engineering	120+6	8 semesters	4714 2	5036 6	4445 6		
6	Computer Science & Engineering	18	4 semesters				Annual Tuition Fee: Rs 65,000/- per semester. Fee for special facilities: Rs.10,000/-	Average Salary: 2018-19- 3.6lakh/annum 2019-20- 3.6lakh/annum 2020-21- 3.6 lakh/annum
7	Machine Design	18	4 semesters					
8	Power Control & Drives	18	4 semesters					
9	Structural Engineering	18	4 semesters					
10	Telecommunication Engineering	18	4 semesters					

7. Faculty

Department of Civil Engineering	https://mbcet.ac.in/departments/civil-engineering/the-people/
Department of Computer Science and Engineering	https://mbcet.ac.in/departments/computer-science-engineering/the-people/
Department of Electrical Engineering	https://mbcet.ac.in/departments/electrical-electronics-engineering/the-people/
Department of Electronics and Communication Engineering	https://mbcet.ac.in/departments/electronics-communication-engineering/the-people/
Department of Mechanical Engineering	https://mbcet.ac.in/departments/mechanical-engineering/the-people/
Department of Science and Humanities	https://mbcet.ac.in/departments/science-humanities/the-people/
Department of Physical Education	https://mbcet.ac.in/departments/physical-education/the-people/
Permanent Faculty	178
Adjunct Faculty	-
Permanent Faculty: Student Ratio	178:2580 (1:15)
Number of Faculty employed and left during the last three years	Faculty employed during last 3 years: 45 Faculty left during last 3 years: 32

8. Profile of Principal

Name of the Principal	Dr. Abraham T Mathew
Date of birth	06-08-1959
Unique id	1-9314030109
Education qualifications	B Sc (Engg), M Sc(Engg), Ph D

Work Experience	<ul style="list-style-type: none"> Teaching-31yrs Research-4yrs
Area of Specialization	Electrical Engineering
Research guidance (Number of Students)	<ul style="list-style-type: none"> UG - 50 PG - 120 Ph.D - 13
No. of papers published in National/ International Journals/ Conferences	<ul style="list-style-type: none"> National - 30 International Journals - 42 Conferences - 47

9. Fee

Particulars	B.Tech		M.Tech	
Details of Fee, as approved by State Fee Committee, for the Institution	Tuition Fee	Fee for Special Facilities	Tuition Fee	Fee for Special Facilities
	Rs.75,000/-	Rs.10,000/-	Rs.65,000/-	Rs.10,000/-
Time schedule for payment of Fee for the entire Programme	1 Year		1 Semester	
No. of Fee waivers granted with amount and name of students	No. of students:116 Total amount: Rs. 87,00,000/- Name of students: Annexure II		Nil	
Number of scholarship offered by the Institution, duration and amount	No. of students	Amount	No. of students	Amount
<i>Management Scholarship</i>	27	Rs.93,2250/-	25	
<i>BPL Scholarship Based on Income</i>	51	Rs.6,18,720/-		
<i>Branch Topper</i>	5	Rs.1,87,500/-		
<i>Merit Scholarship Based on Rank</i>	47	Rs.17,17,000/-		
Criteria for Fee waivers/scholarship	Merit/Income based			
Estimated cost of Boarding and Lodging in Hostels	Average of Rs.70000/- per year			
Any other fee please specify	Nil			

10. Admission

Number of seats sanctioned with the year of approval	Name of Programmes approved by AICTE	Number of seats	Year of approval
	Civil Engineering	120+6	2005
	Computer Science & Engineering	120+6	2002
	Electrical & Electronics Engineering	120+6	2002
	Electronics & Communication Engineering	120+6	2002
	Mechanical Engineering	120+6	2005
	Computer Science & Engineering	18	2012
	Machine Design	18	2012
	Power Control & Drives	18	2012
	Structural Engineering	18	2012

	Telecommunication Engineering		18	2012	
Number of Students admitted under various categories each year in the last three years	Year	B Tech			
	2021-22	Management Merit Quota:185 Management NRI Quota:65 Government Merit Quota:203			
	2020-21	Management Merit Quota:253 Management NRI Quota:57 Government Merit Quota:220			
	2019-20	Management Merit Quota:253 Management NRI Quota:58 Government Merit Quota:246			
Number of applications received during last two years for admission under Management Quota and number admitted	Year	B Tech			
	2021-22	applications received Management Merit :761			
		number admitted:250			
	2020-21	applications received :717			
		number admitted:310			

11. Admission Procedure

Mention the admission test being followed, name and address of the Test Agency/ State Admission Authorities and its URL (website)	http://www.cce-kerala.org/		
Number of seats allotted to different Test Qualified candidate separately (AIEEE/ CET (State conducted test/ University tests/ CMAT/ GPAT)/ Association conducted test etc.)	50% of the total seats will be filled by the Commissioner for Entrance Examination (CEE) from the list prepared by the CEE on the basis of merit and in accordance with reservation principles followed by Government. Total (330) The remaining 50% seats will be filled up by the Management under merit Total (210) and NRI quota : Total (90)		
Calendar for admission against Management/vacant seats		B.Tech	M.Tech
	Last date of request for applications	22th Sep 2021	11th Oct 2021,4:30PM
	Last date of submission of applications	22th Sep 2021	11th Oct 2021
	Dates for announcing final results	26th Sep 2021	18th Oct 2021,4:30PM
	Last date for closing of admission	30th Nov 2021	
	Starting of the Academic session	25th Nov 2021	25th Nov 2021

	The waiting list shall be activated only on the expiry of date of main list		
	The policy of refund of the Fee, in case of withdrawal, shall be clearly notified	Yes	

12. Criteria and Weightages for Admission

Describe each criterion with its respective weightages i.e. Admission Test, marks in qualifying examination etc.	Subject to any orders that may be passed by the Courts, admission will be on the basis of merit only by adding marks obtained in the entrance examination conducted by State Commissioner for Entrance Examinations and the marks obtained for Mathematics, Physics and Chemistry / equivalent in the qualifying examination. The marks will be apportioned in the ratio of 50 : 50.
Mention the minimum Level of acceptance, if any	2021-22 - 45 % 2020-21 - 45 % 2019-20 - 45%
Mention the cut-off Levels of percentage and percentile score of the candidates in the admission test for the last three years	2021-22 - 45 % 2020-21 - 45 % 2019-20 - 45%
Display marks scored in Test etc. and in aggregate for all candidates who were admitted	

13. List of Applicants

List of candidates whose applications have been received along with percentile/percentages core for each of the qualifying examination in separate categories for open seats. List of candidates who have applied along with percentage and percentile score for Management quota seats (merit wise)	Annexure III
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14. Results of Admission Under Management seats/Vacant seats

Composition of selection team for admission under Management Quota with the brief profile of members (This information be made available in the public domain after the admission process is over)	Based on the KEAM score and Higher secondary score
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15. Information of Infrastructure and Other Resources Available

Number of Class Rooms and size of each	42, 76.91sqm
Number of Tutorial rooms and size of each	14,36sqm
Number of Laboratories and size of each	54
Number of Drawing Halls with capacity of each	One, 155sqm One, 202sqm
Number of Computer Centres with capacity of each	CS-2 (60 each) CE -1 (43), EEE-1(40), ME- 1(35), EC- 1(30)
Central Examination Facility	Available

Online examination facility	Available
Barrier Free Built Environment for disabled and elderly persons	Available
Occupancy Certificate	Available
Fire and Safety Certificate	Available
Hostel Facilities	Available

• **Library**

Library Facilities	<p>Total Area of the Library : 802 m² Seating capacity of the library : 210 Reprographic facility : Yes Working hours of the library : 8.30 am to 6pm Library Net Working facility : Yes Digital Library : DSpace Remote Access Facility : Knimbus e-Library e-Journal Subscription : IEEE ASPP, ASME, ASCE, IEL, DELNET e-books : EBSCO engineering e-books</p> <p>Number of Titles : 11,061</p> <p>Number of Volumes :28,932 Print Journals & Magazines : 75</p> <p>Institutional Membership with NDLI and NDLI Club</p> <p>Club Registration Number : INKLNCXSKQF2CQT</p>
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• **Laboratory and Workshop**

List of Major Equipment/Facilities in each Laboratory/Workshop	Annexure I
List of Experimental Setup in each Laboratory/Workshop	

• **Computing Facilities**

Internet Bandwidth	150 Mbps
Number and configuration of System	700 Intel i3/i5 4/8 GB Ram with 500GB/1TB HDD Windows 10Pro and Ubuntu
Total number of system connected by LAN	700
Total number of system connected by WAN	700
Major software packages available	Microsoft VLSC, Node32 Antivirus, Auto Desk software, MATLAB, Ansys , CATIA, MI Power, ORACLE, Ubuntu
Special purpose facilities available (Conduct of online Meetings/Webinars/Workshops, etc.)	Projector, Webcams, Audio System, WIFI Facility, Interactive Panels
Facilities for conduct of classes/courses in online mode (Theory & Practical)	Interactive Panels with webcam -10 Classrooms G-Suite for Education

	Microsoft Teams Cisco WebEx
Innovation Cell	Available
Social Media Cell	Available

● **List of facilities available**

Games and Sports Facilities	Available
Extra-Curricular Activities	Available
Soft Skill Development Facilities	Available
Compliance of the National Academic Depository (NAD), applicable to PGCM/ PGDM Institutions and University Departments	NA

● **Teaching Learning Process**

Curricula and syllabus for each of the Programmes as approved by the University	https://mbcet.ac.in/departments/civil-engineering/syllabus/ https://mbcet.ac.in/departments/computer-science-engineering/syllabus/ https://mbcet.ac.in/departments/electronics-communication-engineering/syllabus/ https://mbcet.ac.in/departments/electrical-electronics-engineering/syllabus/ https://mbcet.ac.in/departments/mechanical-engineering/syllabus/
Academic Calendar of the University	https://ktu.edu.in/eu/acd/academicRegulationsCalendar.htm
Academic Time Table with the name of the Faculty members handling the Course	https://mbcet.ac.in/departments/civil-engineering/time-table/ https://mbcet.ac.in/departments/computer-science-engineering/time-table/ https://mbcet.ac.in/departments/electronics-communication-engineering/time-table/ https://mbcet.ac.in/departments/electrical-electronics-engineering/time-table/ https://mbcet.ac.in/departments/mechanical-engineering/time-table/
Teaching Load of each Faculty	Available
Internal Continuous Evaluation System and place	Available
Student's assessment of Faculty, System in place	Available

- For each Post Graduate Courses give the following

Title of the Course	Curricula and Syllabi	Laboratory facilities exclusive to the Post Graduate Course
Computer Science & Engineering	https://mbcet.ac.in/wp-content/uploads/2021/09/MBCET-M.TECH_CSE.pdf	Available
Machine Design	https://mbcet.ac.in/wp-content/uploads/2021/08/M.Tech.-MD-Autonomy-Curriculum.pdf	Available
Power Control & Drives	https://mbcet.ac.in/wp-content/uploads/2021/07/M.Tech-Autonomous-Curriculum.pdf	Available
Structural Engineering	https://drive.google.com/file/d/1jQJK2Y5FtMX3eoSj_HNjNj43B4xhIe8P/view	Available
Telecommunication Engineering	https://drive.google.com/file/d/1pT6S0dpG0adsmxA0UjhnhtuVgjAJIL-0/view	Available

- Special Purpose

Software, all design tools	Available
Academic Calendar and framework	https://mbcet.ac.in/academic-calendar/

16. Enrolment and placement details of students in the last 3 years

Programme	Branch/ Specialization	2019-2020	2020-2021	2021-2022	Placement details
B.Tech	Civil Engineering	126	112	98	Placement Statistics: https://mbcet.ac.in/training-placement/placement-statistics/
B.Tech	Computer Science & Engineering	120	120	126	
B.Tech	Electrical & Electronics Engineering	88	75	54	
B.Tech	Electronics & Communication Engineering	115	106	120	
B.Tech	Mechanical Engineering	100	84	54	
M.Tech	Computer Science & Engineering	4	2	3	
M.Tech	Machine Design	3	6	-	
M.Tech	Power Control & Drives	4	3	3	
M.Tech	Structural Engineering	17	17	12	
M.Tech	Telecommunication Engineering	3	4	2	

17. List of Research Projects/ Consultancy Works

Number of Projects carried out, funding agency, Grant received	https://mbcet.ac.in/research/
Publications (if any) out of research in last three years out of masters projects	https://mbcet.ac.in/research/
Industry Linkage	https://mbcet.ac.in/research/mous/

MoUs with Industries	<ul style="list-style-type: none"> • NISH Trivandrum • CDAC Trivandrum • Tata Elxsi, Technopark, Trivandrum • BSNL RTC Trivandrum • Acsia Technologies, Trivandrum • HLL Lifecare Ltd, Trivandrum • VinVish Technologies, Trivandrum • Maven Silicon, Bangalore
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18. LoA and subsequent EoA till the current Academic Year

<https://mbcet.ac.in/aicte-approvals/>

19. Accounted audited statement for the last three years

<https://mbcet.ac.in/auditors-report/>

20. Best Practices adopted, if any

<https://mbcet.ac.in/wp-content/uploads/2022/04/Best-Practices-mbcet-logo.pdf>



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the*

*Mar Baselios College of Engineering and Technology
Mar Ivanios, Vidyannagar, Thiruvananthapuram, affiliated to University of Kerala and
A. P. J. Abdul Kalam Technological University, Kerala as
Accredited*

*with CGPA of 3.13 on seven point scale
at A grade
valid up to December 31, 2025*

Date : December 04, 2018



S. C. Sane
Director

EC/82/AU/131

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903
Website: www.nbaind.org



File No. 26-52-2014-NBA

Dated: 22-03-2019

To,

The Principal
Mar Baselios College of Engineering and Technology,
Mar Ivanios Vidyanagar,
Nalanchira, Thiruvananthapuram,
Kerala- 695015

Subject: Further accreditation status on the basis of Compliance Report of the programs in Tier II offered by Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala.

Sir,

This is regarding Compliance Report submitted by Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala for the UG Engineering programs which were provisionally accredited by NBA in Tier-II for academic years 2016-17 to 2018-19 whose validity is expiring on 30.06.2019.

2. An Expert Team conducted data verification of the programs on 03rd March, 2019. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

Sl. No	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Electronics & Communication Engineering	Tier-II	Accredited	Academic Years 2019-2020 to 2021-2022 i.e. upto 30-06-2022	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the Competent authority, whichever is earlier.
2.	Electrical & Electronics Engineering		Accredited		
3.	Civil Engineering		Accredited		
4.	Computer Science & Engineering		Accredited		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

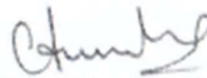
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5. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

6. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

7. A copy each of Report of the Visiting Team in respect of the above programs is enclosed.

Yours faithfully,


(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1. Copy each of Report of the Visiting Team in respect of the programs.

Copy to:

1. The Registrar
APJ Abdul Kalam Technological University,
CET Campus, Alathana Road,
Ambady Nagar, Thiruvananthapuram
Kerala-695016
2. Director Technical Education
Govt. of Kerala
Thiruvananthapuram, Kerala
3. Accreditation File
4. Master Accreditation file of the State.

NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4th Floor, Bhisham Pitamah Marg,
Pragati Vihar, New Delhi-110 003
Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903
Website: www.nbaiind.org



File No. 26-52-2014-NBA

Dated: 29-03-2019

To,

The Principal
Mar Baselios College of Engineering and Technology,
Mar Ivanios Vidyanagar,
Nalanchira, Thiruvananthapuram,
Kerala- 695015

Subject: Further accreditation status on the basis of Compliance Report of the program in Tier II offered by Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala.

Sir,

This is regarding Compliance Report submitted by Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala for the UG Engineering program which were provisionally accredited by NBA in Tier-II for academic years 2016-17 to 2018-19 whose validity is expiring on 30.06.2019.

2. An Expert Team conducted data verification of the program on 03rd March, 2019. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the program as given in the table below:

Sl. No	Name of the Program(s) (UG)	Basis of Evaluation	Accreditation Status	Period of validity	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	Mechanical Engineering	Tier-II Document	Accredited	Academic Years 2019-2020 to 2021-2022 i.e. upto 30-06-2022	Accreditation status granted is valid for the period indicated in Col.5 or till the program has the approval of the competent authority, whichever is earlier.

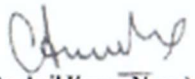
3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The accreditation status awarded to the program as indicated in the above table does not imply that the accreditation has been granted to Mar Baselios College of Engineering and Technology, Mar Ivanios Vidyanagar, Nalanchira, Thiruvananthapuram, Kerala as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

Contd/...

5. The accreditation status of the above program is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited program as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.
6. The accreditation status awarded to the program as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.
7. A copy of Report of the Visiting Team in respect of the above program is enclosed.

Yours faithfully,


(Dr. Anil Kumar Nassa)
Member Secretary

Encls: 1. Copy of Report of the Visiting Team in respect of the program.

Copy to:

1. The Registrar
APJ Abdul Kalam Technological University,
CET Campus, Alathana Road,
Ambady Nagar, Thiruvananthapuram
Kerala-695016
2. Director Technical Education
Govt. of Kerala
Thiruvananthapuram, Kerala
3. Accreditation File
4. Master Accreditation file of the State.

Annexure I

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LABORATORY DETAILS		
#	Name of Lab	List of major equipment/facilities
1.	CIRCUITS AND MEASUREMENTS LAB	<ul style="list-style-type: none"> • Industrial Kelvin Double Bridge • Portable Wheatstone Bridge • Vernier Potentiometer • Slide Wire Potentiometer • B-H Curve Module • Thermocouple Characteristics Module • Thermistor Characteristics Module • Single Phase Energy meter:Electro-Mechanical240V,10A • Electronic Energy meter 1P240V,20A • Three Phase Energy meter Electro-Mechanical415V,20A • Electronic Energy meter 415V,10A • Single Phase Transformer 3kVA, 240/120V • Three Phase Transformer 5kVA, 415/120V • Ballistic Galvanometer • Volt-Ratio Box • Thermo-Hygrometer • Lux meter • Sound Level Meter • Digital Anemometer • Digital LCR Meter • Electro-Magnetic Field Radiation Tester • True RMS Power Meter • Mains Distortion Meter • Earth Resistance Tester • Analog Soldering Station • Mechanical Stop watch • Analog Soldering Station • Dual Power Supply $\pm 15V$, 1A • Function Generator 10 MHz • Universal Shunt • DC Regulated Power Supply • Electronic Cell 1.018V • Standard Resistance 0.01Ω • Standard Resistance 0.1Ω • Standard Resistance 1Ω • Lead Acid Cell 12V 60Ah • RTD Trainer Module • Function Generator3MHz • Load cell Trainer module • LVDT Trainer module • Potential transformer • Current Transformer • DC regulated Power supply 15V,1A

		<ul style="list-style-type: none"> • Digital Storage Oscilloscope 50MHz 2ch Colour LCD display • Phase Shifting transformer
2.	ELECTRONIC CIRCUITS LAB	<ul style="list-style-type: none"> • DC regulated Power supply 15V,1A • Digital Storage Oscilloscope 50MHz 2ch Colour LCD display • Function Generator 3MHz • Dual Power Supply $\pm 15V$, 1A • DC Regulated Power Supply
3.	POWER ELECTRONICS AND DRIVES LAB	<ul style="list-style-type: none"> • Device Module • MOSFET Characteristic Module • IGBT Characteristic Module • TRIAC Characteristic Module • SCR Characteristic Module • DIAC Characteristic Module • R, R-C, UJT Firing Module • 1Φ Bridge Converter with R, RL Load • Thyristor Forced Commutation Trainer • 1Φ SCR Half Controlled Converter • SCR Based DC Chopper • Microprocessor Based SCR Firing Module • 1Φ SCR Full Bridge Inverter • Chopper Control Circuitry Module • 1Φ Inverter Control Circuitry • 1Φ IGBT Based PWM Inverter • Inductive Load • 1 KVA Isolation Transformer • 1Φ PWM Inverter control Module • Ramp & Pedestal Trigger circuit AC load • MOSFET gate drive circuit • DC - DC BUCK converter • DC-DC Boost Converter • Temperature control circuit using 555 and thermistor • photo relay using LDR • Power BJT Drive CIRCUIT • DC-DC push pull inverter trainer • Universal Motor • Dual Power Supply • 2 MHz Signal Generator (ST4042) • Digital Storage Oscilloscope 50MHz 2ch Colour LCD display • 4 O/P rack adaptable power supply AP lab
4.	SYSTEMS & CONTROL LAB	<ul style="list-style-type: none"> • Lead – Lag network simulator (VLLN – 01) • DC motor / generator transfer function study trainer (PEC – 14 HV1) • 2 phase AC servomotor speed control and transfer function study trainer (PEC – 00A) • Synchro transmitter and receiver trainer (PEC – 3) • Process control simulator (ITBPCS 01) • LVDT characteristics module (ITB 012 CE) • Simulation of transfer function using OP-AMP (VSTF 01) • Analog computer trainer (VCET 05) • DC servomotor control system (ITB PEC 00S1) • Level control trainer (VLCT 1001)

		<ul style="list-style-type: none"> • Printer Epson LX300 • Flow control trainer (VFCT 2001) • Temperature control trainer (VTCT 3001) • Stepper motor control trainer (VSMT 02) • Power Supply (0 – 30) V / (0 -1) A & 5V / 1A • Magnetic Amplifier (model – 2012) • Signal Generator 3Hz JS803 • Digital Storage Oscilloscope 25MHz 2ch Colour LCD display • PLC trainer with demonstrator • PLC real time application trainer Lift control • Digital Storage Oscilloscope 50MHz 2ch Colour LCD display • 3MHz DDS Function Generator • ROBOSOFT Quad rotor DIY kit • ARDUPILOT APM 2.6/2.8
5.	PROJECT LAB	<ul style="list-style-type: none"> • Power supply 0-5V & 30V ,2A • Digital Storage Oscilloscope Gwinstek GDS-1052u 50MHz,2-ch • PLC Microcontroller Kit • UNO Microcontroller Kit • Function Generator 3MHz • Dc Regulated Multi O/P Power Supply
6.	ELECTRICAL MACHINES LAB	<ul style="list-style-type: none"> • Single phase transformer 5 kVA,240/120V • Single phase transformer 3 kVA,240/120V • 3 phase transformer 5kVA,415/120V • 3 phase resistive load 5kw • 3 phase squirrel cage induction motor 2.2kW,415V,1440 RPM • 3 phase squirrel cage induction motor 3.7 kW,415V,1440 RPM, (3.7kW,415V,2880 RPM) • 3 phase slip ring induction motor 3.7kW,415V,1000 RPM • Static rectifier(i/p:415V 3 phase, o/p:200/250V 200A) • DC series motor 3.5kW,220V • DC shunt motor 3.7kw,220V,1500 RPM), (5.2kW,220V,3000 RPM • DC motor coupled with DC compound motor • DC motor coupled with Induction Generator • DC motor coupled with Alternator 5KVA • DC compound Generator coupled with 3 phase AC squirrel cage IM • 3 phase squirrel cage IM coupled with Eddy dynamo • 3 phase AC Synchronous motor • Pole changing motor 3.7/2.2 kw,415V,1440/720RPM • Single phase IM(750W,240V), (350W,240V • VFD Control • DC power supply(12V,25A), (12V,20A) • Dimmer stat(15A,Single phase), (28A,Single phase) • Dimmer stat(15A,3 phase), (28A,3 phase) • Dimmer stat(3 phase oil cooled) • V cut Motor Series • V cut Compound • V cut Squirrel Cage • V cut Slip Ring • Loading Rheostat 415V,5kW • Variable inductive load 5kVA,415V,3P,50Hz,10A • Star delta stater ML2,L&T

		<ul style="list-style-type: none"> • CRO 30MHz • Knife switch • Power factor meter 3P UPF 2 ELEMENT 250/500V,10/20A
7.	POWER SYSTEM LAB	<ul style="list-style-type: none"> • capacitor 3ø,415V • udey insulating oil tester0-75kV • clip on power meter • 3ø auto transformer0-470V • 1ø auto transformer0-270V • test secondary for testing solid di –electric material(25kV) • over current relay(electromagnetic) • earth fault relay(electromagnetic) • idmt over current relay testing kit(static) • under voltage relay testing kit(static) <ul style="list-style-type: none"> 1)70kV ac,100kv dc test kit 2)0-60kV oil test kit 3)rod gap 4)100mm sphere gap 5)grounding rod • electrolytic tank • secondary injection test kit • earth hi tester • over voltage relay with box (electro mechanical)vdg 11 • over voltage relay with box (static)vdg 11 • earth fault relay test kit (static)cdg 11 • fluke 3ø power quality analyzer • 210kV,100ma cascaded transformer with control pannel • 150kV,225j 5 stage impulse generator • mi power (software) • under voltage test kit(electromagnetic)
8.	POWER ELECTRONIC AND DRIVES (PG)	<ul style="list-style-type: none"> • Single phase SCR parallel Inverter module • Jones Chopper Trainer module • 3 Phase control converter • Chopper fed DC motor Drive • IGBT based 3 phase PWM Inverter • 3 Phase parallel Inverter • 3 Phase AC induction motor and speed control unit • Digital PID controller • Micro 2407 DSP Trainer • IPM based power module • 3 phase IM • Single phase IM • 3 phase 1HP BLDC motor • 3 phase IGBT based inverter stack (3 phdbr + 3hp ibi+c) • FPGA athium nano board • DS PIC board PWM controller • Analog mixed signal peripheral card

9.	ADVANCED CONTROL SYSTEM LAB(PG)	<ul style="list-style-type: none"> • 8085 Micro Processor trainer • Stepper motor controller with motor • Relay control system • Digital control system • Lego robo, Lego mindstorm education base set-9797 • Quanser equipment <i>rotary servo plant setup</i> rotary servo plant <i>q8-usb-8 channel usb data</i> acquisition Voltpaq-x1 • AC servo motor controller with controller • DC servo motor PID controller • DC motor position controller pec-01 • MYDAQ data acquisition platform • NI MYRIO-1900 for student purchase only • Digital Storage Oscilloscope Gwinstek GDS-1052u 50MHz,2-ch, • ARM based stepper motor robot controller
10.	DIGITAL CIRCUITS AND EMBEDDED SYSTEMS LAB	<ul style="list-style-type: none"> • Digital IC trainer kit • Digital IC tester • 8085 and 8086 Micro processor kit • 8251 and 8253 Interface board • 8259 Interface board • Stepper motor controller with motor • Dc motor speed measurement and control module • ADC and DAC interface • ADC interface board • keyboard and display interface board • 2- channel DAC • 8- channel ADC
11.	ELECTRICAL WORKSHOP	<ul style="list-style-type: none"> • Digital Storage Oscilloscope Gwinstek GDS-1052u 50MHz,2-ch • Earth resistance tester • Insulation tester • Wire gauge • Digital Multimeter • Energy meter 1Φ Electronic • Energy meter 3Φ Electronic • Energy meter 1Φ Mech • Energy meter 3Φ Mech • Power supply 0-5V &30V ,1A • Function Generator 3MHz • UNO Microcontroller Kit • PLC Microcontroller Kit • Power supply 0-5V &30V ,2A • Kirloskar Pump 0.5HP • Mixer Grinder • Iron Box • Inverter 700VA • Battery100Ah • LCR meter
12.	SOFTWARE LAB	<ul style="list-style-type: none"> • Computer No.2 DELL OPTIPLEX 780 <p>CANADA CLASS-B INTEL®CORE™2DUO CPU E8400@3.00GHZ2.99GHZ ,1.94GB OF RAM</p>

		<p>LCD MONITOR, KEYBOARD AND MOUSE</p> <ul style="list-style-type: none"> • Dot matrix printer • HP LASER JET PRINTER HP LASER JET P1007SL • SOFTWARE ANSYS ACADEMICTEACHING –EM 5 Tasks <p>Software license. Maxwell 2D/3D -5 users Simlorer -5 users P Expet -2 users RMxpet -2 users Optimetrix -5 users Parallel (multi processing) -5 users</p> <ul style="list-style-type: none"> • Computer34 DELL OPTIPLEX 7010 INTEL®CORE™i5 3476 CPU @3.20GHZ3.19GHZ ,7.89GB,OF RAM,500GB HARD DISC with DVD drive. <p>LCD MONITOR,KEYBOARD AND MOUSE</p> <ul style="list-style-type: none"> • DVD RW DBDOAPO563679280 • 1TB USBHDD-USB Model SRDOOF1 <p>PN.1D6AP6-500TB SN:NA44KSRV</p>
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

LABORATORY DETAILS		
Sl. No	Name of lab	List of major equipment/facilities
1.	COMMUNICATION ENGG LAB	Spectrum analyzer, DSO, Function Generator (3MHz), Power Supply, Audio power meter
2.	ADVANCED COMMUNICATION LAB	Klystron Power Supply, Klystron tube, Gunn Oscillator, Slotted Section, VSWR meter, Matched Termination
3.	BASIC ELECTRONICS LAB	DSO, Power Supply, Function Generator
4.	DEPARTMENT COMPUTING FACILITY (DCF)	Computers, Computer with GPU-1 No., DSO,TMS 320C50 based DSP Kit (MICRO 50 EB PF), DSP2181, Advanced trainer kit, TMS 320C6713 DSO
5.	DIGITAL ELECTRONICS LAB	DSO, Function Generator (3MHz), Power Supply, Digital IC tester, TRAINER KIT

6.	IEDC LAB	Computers, DSO, Power Supply, Function Generator, Rework Station
7.	INTEGRATED CIRCUIT LAB	DSO, Function Generator (3MHz), Multi Output Power Supply, Linear IC Tester, Multimeter
8.	PCB LAB	PCB Fabrication Setup
9.	PG LAB	Computers, DSO , Power Supply, Function Generator
10.	PROJECT LAB I	Computers, Logic Analyzer, DSO, Power Supply, Function generator, Digital/Analog to Optical Converter Kit
11.	PROJECT LAB II	Computers, DSO, Function Generator (3MHz), Power Supply, 8051 Microcontroller Project card, Digital trainer kit, Digital IC tester
12.	ADVANCED COMMUNICATION LAB	Klystron Power Supply, Klystron tube, Gunn Oscillator, Slotted Section, VSWR meter, Matched Termination

DEPARTMENT OF CIVIL ENGINEERING

LABORATORY DETAILS		
Sl. No	Name of laboratory	List of major equipment/facilities
<u>Undergraduate Program</u>		
1.	Surveying Laboratory	Theodolite, Levelling Instruments, Plane Table and accessories, Prismatic Compass, GNSS and Total Station
2.	Material Testing Laboratory -I	Universal Testing Machine (400 kN, 200kN), Impact testing machine, Hardness Testing machine, Torsion Testing Machine, Spring Testing Machine (500 N), Flywheel
3.	Material Testing Laboratory -II	Compression Testing Machine-2000 kN, Flexure Testing Machine (100 kN), Tile Testing machine (200kg), Crushing Value Apparatus, Vibrating Table, Riffle Sample Divider

4.	Computer Aided Design and Drafting Laboratory	ANSYS 11, Auto Desk Inventor, Auto Cad 2019, STAAD SS6, ETABS, PRIMAVERA, ORIGIN LAB, FEAST SMT.
5.	Transportation Engineering Laboratory	Hot Air Oven, Los Angeles Abrasion Testing Machine, Compression Testing Machine, Impact Test Apparatus, Ductility Test Apparatus, CBR Test Apparatus, Brookfield Viscometer, Marshall Apparatus, Modified Roughness Indicating Machine
6.	Geotechnical Engineering Laboratory	Direct shear Apparatus, Consolidation test Apparatus, UCS Testing Apparatus, CBR Test Apparatus, Permeability Testing Apparatus, Compaction Testing Apparatus, Hydrometer, Liquid Limit and Shrinkage Limit Apparatus, Sieve Shaker
7.	Environmental Engineering Laboratory	Spectro Photometer, BOD Incubator, Hot Air Oven, Muffle Furnace, pH meter, Water analyzer
8.	Geology Lab	Models and Specimens
<u>Post Graduate Program</u>		
9.	Structural Engineering Laboratory	Universal Testing Machine (1000 kN), Loading Frame, Accelerated Curing Tank, electrically operated prestressing unit
10.	Structural Dynamics Laboratory	Accelerometer, Shake Tables

DEPARTMENT OF MECHANICAL ENGINEERING

LABORATORY DETAILS		
Sl No	Name of lab	List of major equipment/facilities
1.	FLUID MECHANICS AND MACHINES LAB	Pipe Friction Apparatus Test Rig, Venturimeter & Orificemeter Test Rig, Notch Apparatus Test Rig, Bernoulli's Apparatus Test Rig, Orifice & Mouthpiece Apparatus Test Rig, Metacentric Height Apparatus Test Rig, (Centrifugal Pump (Constant Speed) Test Rig, Centrifugal Pump (Variable Speed) Test Rig, Centrifugal Pump(Variable [Continuously] Speed) Test Rig, Reciprocating Pump Test Rig, Jet Pump Test Rig, Gear Pump Test Rig, Francis Turbine Test Rig,

		Pelton Turbine Test Rig With Generator Coupled Kaplan Turbine Test Rig.
2.	HEAT ENGINES LAB	2 stage reciprocating air compressor test rig, Rotary Air compressor test rig, Air blower test rig, 2 stroke petrol engine(Single Cylinder) test rig, Slow speed diesel engine test rig, Twin cylinder diesel engine test rig, Multi cylinder petrol engine test rig, 4 – Cylinder 4 – stroke diesel engine test rig Pensky Martin flash point apparatus, Redwood viscometer, Saybolt viscometer, Cleavland flash & fire point apparatus, Bomb calorie meter, Junker's gas calorie meter with all accessories. EXHAUST GAS ANALYZER DIGITAL ULTRASONIC CLEANER
3.	THERMAL ENGINEERING LAB	Composite Wall, Lagged pipe Apparatus, Natural Convection, Forced Convection, Parallel and counter flow Heat Exchanger, Emissivity Measurement Apparatus, Air Conditioner (Duct type with Anemometer), Refrigeration Unit, Pitot tube, HEAT PIPE APPARATUS
4.	METROLOGY LAB	Profile Projector, Microscope, Tool Maker Microscope, Lathe tool Dynamometer, Auto Collimator, Polishing Machine, Surface Roughness Tester, Vernier Caliper 0-150 mm 3 nos. Digital Micrometer -0-25mm 1 No. Micrometer 0-25mm 1 No. Pan Micrometer-0-25mm 1 No Inside Micrometer 25-30 mm 1 No. Gear Tooth Vernier caliper 1-25mm 1 No. Slip gauge Blocks 83slips Digital Dial indicator 0.001-10mm 1No Dial indicator 0.01-10mm 1No. Dial indicator 0.01-30mm 1No.

		Dial indicator 0.01-10mm 1 No. Dial Stand (milttard) 1No. Magnetic Dial Stand 1 No. Tool Angle guage 1No. Third Pitch guage(Metric & whitworth) 1No. Feeler guage 0.03-0.5mm 1No. Sprit level 1No. Sim Bar 200mm 1 No. Steel Rool 300mm 1 No. ‘V’ Block with ‘u’ clamp 1½ “ x 1 ½ “ x 3” 1 pair
5.	MECHANICAL MACHINE SHOP	Lathe Machine L=1370 mm 24 nos. All geared head Lathe Machine L=1000mm 1 no. Shaping Machine 14” 6 nos. Power Hack Saw Machine 200 mm 1 no. Drilling Machine (Bench type) 1/2” 1 no. Bench Grinder (Double ended) 0.75 HP 1 no. & 0.5 HP 1 no. Radial Drilling Machine 38x220 mm (8speed) 1 no. Surface Grinding Machine 150x450 mm 1 no. Slotting Machine PMS – 150 6” stroke 1 no Cylindrical External Grinding Machine UE 120 /300 mm 1 no. Universal milling machine 1” x 400 mm 1 no. R-2M(AU)G 1 no. Planing Machine (light duty) 1 m 1 no.
6.	ENGINEERING WORKSHOP	CAST IRON RECYCLING UNIT (CIRU)
(a)	SMITHY	Anvil 50 kg 12 nos. Hand Blower 8” 03 nos. Swage Block (12” x 12”) 02 nos. Heavy Duty Blower with 7.5 HP Motor and Pipe fittings 01 no Hearth with all fittings 05 nos.
(b)	SHEET METAL & PLUMBING	Anvil 1 no. Benchvice 6” 13 nos. Blow Lamp 1 no. Pipe Die Set 1 set Beak Iron stake 1no. Pipe vice 1 no. Groover 4 nos. Work Bench 2 nos

(c)	CARPENTRY	Carpentry vice Bosh Hand Drill Heavy Duty Work Bench	18 nos. 1 no. 3 nos.
(d)	FITTING	Anvil – 50kg Heavy Duty Bench vice 6” V’ Block with clamp Surface plate 2’ x 2’ Hand Shear machine with Cutter set Impala gear type heavy duty drilling Machine with starter, motor, round table, vice etc. Bench grinder with 0 .75 HP, motor and grinding wheels Work bench Heavy duty hack- saw machine with 1HP Kirloskar motor	1 no. 13 nos. 1 set 1 set 1set 1 set 1 set 2 nos. 1 no
(e)	FOUNDRY	Step pulley pattern Gear wheel pattern Round block with hole pattern Side bolting oval flange pattern Chain pulley pattern Valve pattern Well pulley pattern Valve core box pattern Moulding boxes	15 nos. 21 nos. 21 nos. 21 nos. 3 nos. 3 nos. 3 nos. 3 nos. 35 set
(f)	WELDING	Welding transformer	250A
(g)	LATHE MACHINES	Citizen Light duty lathe machine Length of bed Height of center Admit between centers Anil branded (Model 2 super) lathe machine Length of bed Height of center Admit between centers Nagmati Branded (Model 175) all geared lathe machine Admit between centers Height of the center Shaping Machine run up ,All geared (14”)	8 Nos., 1370 mm 168 mm 725 mm 8 Nos. 1370 mm 155 mm 730 mm 1 No. 1000 mm 175mm 6 No.
7.	CAD LAB	Dell Power Edge R410 Server 2003 Computers Smart Ups	Qty 36 Qty 1Spec- 3 Kva (1 Hour Backup)

		Networking Switch Qty 1Spec- 24 Port 10/100 Switch
8.	CNC LAB	CNC lathe trainer CNC Mill trainer
9.	DYNAMICS LAB	Whirling of Shaft Apparatus Motorised Gyroscope Static & Dynamic Balancing Apparatus Data Acquisition System Impulse Hammer Accelerometer
10.	RESEARCH LAB	TRIBOMETER LIQUID SLOSH TESTING APPARATUS
11.	COMPUTATIONAL RESEARCH LAB	WORKSTATION (FUJITSU , Intel xeon 2.3GHz,NVIDIA Quadro P4000)

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

LABORATORY DETAILS		
Sl No	Name of lab	List of major equipment/facilities
1.	OPERATING SYSTEMS	Name of Software Windows 8, Windows 7 Professional, Windows 2012 Server Standard Edition, Windows 2012 Advanced Server, nal, Windows 2012 Server Standard Edition, Windows 2012 Server Enterprise Edition, Ubuntu Linux COMPILERS Turbo C++ Academic, Pascal Academic, Cobol Academic, JAVA Development Kit (JDK), FORTRAN

2.	APPLICATION SOFTWARES	<p>Microsoft Open Value Subscription Education Solutions [Microsoft Campus agreement] ORCAD MATLAB & SIMULINK Oracle 10g std. Edition Autodesk Revit Architecture Autodesk Revit Structure AutoCAD Revit MEP Suite Autodesk Mudbox Autodesk Showcase Autodesk Ecotect Analysis Autodesk Algor Simulation Professional AutoCAD Raster Design AutoCAD Autodesk Maya Autodesk 3ds Max Autodesk Navis works Manage Autodesk 3ds Max Design Autodesk Mold flow Insight Advanced Autodesk Vault Professional AutoCAD Architecture AutoCAD Civil 3D AutoCAD Electrical AutoCAD Map 3D AutoCAD MEP Autodesk Alias Automotive Autodesk Inventor Professional Autodesk Motion Builder Autodesk Robot Structural Analysis Professional Autodesk Sketch Book Pro</p>
3.	SOFTWARE LAB – I	<p>No. of Computer Systems: 33</p> <p><u>Hardware Specification:</u> (Intel Core i3, 8GB RAM) <u>Operating System:</u> Windows 10 Professional, Ubuntu 20.04 <u>Software's installed:</u> NetBeans IDE, Open Office, Java, MS Office 2016 etc. <u>Printer</u> 1. Laser (Shared) – SAMSUNG ML 1710 1 2. Dot Matrix – EPSON LX 300+II 1</p> <p><u>UPS</u> 6KVa Online UPS (Tata Liebert)</p>

4.	SOFTWARE LAB – II	<p>No. of Computer Systems: 32</p> <p><u>Hardware Specification</u>: Intel Core i3, 8GB RAM</p> <p><u>Operating System</u>: Ubuntu 20.04, Windows 10 Professional</p> <p><u>Software's installed</u> :NetBeans IDE, Microsoft Office Professional 2016, Java, Acrobat Reader, WinZip etc.</p> <p><u>Printers</u> :</p> <p>1. Laser (Shared) – SAMSUNG ML 1710 - 1</p> <p>2. Dot Matrix – EPSON LX 300+ - 1</p> <p><u>UPS</u> :</p> <p>6KVA ON-LINE UPS (Emersion Liebert)</p>
5.	SOFTWARE LAB – III	<p>No. of Computer Systems: 36</p> <p><u>Hardware Specification</u></p> <p>Intel Core i3, 8GB RAM</p> <p><u>Operating system</u></p> <p>Ubuntu 12.04, Windows 7 Professional</p> <p><u>Software installed</u></p> <p>NetBeans IDE, Microsoft Office 2007, Java, Acrobat reader, win zip etc</p> <p><u>Printers</u></p> <p>1. Laser (shared)- SAMSUNG ML 1710 – 1</p> <p>2. TVS MSP 250 CHAMPION -1</p> <p><u>UPS</u></p> <p><u>UPS</u>- 6KVA On line UPS Emersion Liebert</p>
6.	PGLAB	<p><u>No. of Computer Systems: 61</u></p> <p><u>Hardware Specification</u></p> <p>Intel Core i5 & Intel Core i3, 8 GB RAM</p> <p><u>Operating System</u></p> <p>Windows 10 Professional, Ubuntu 20.04</p> <p><u>Software Installed</u></p> <p>Apache Netbeans 12.0, MS Office 2016,Java, Acrobat Reader, winzip,Visual Studio, Matlab 2020(a), Latex, Anaconda Navigator, Python 3.7, C,C++, etc.</p> <p><u>No. of Laptops : 4</u></p> <p><u>Specification</u></p> <p>1.Intel Core i3 Processor</p> <p>2.Intel Core i7 Processor</p> <p><u>LG Smart TV</u></p> <p><u>Printers</u></p> <p>1. Canon Laser Printer LBP2900</p> <p>2. Epson LX-310</p>

7.	CENTRAL COMPUTING FACILITY (CCF)	<p>No. of Systems : 60</p> <p>Hardware Specification : Intel i5 3.1 GHz, 4GB RAM</p> <p>Operating System : Ubuntu 12.04, Windows 7</p> <p><u>Printers</u></p> <p>1. Laser Canon - 1</p> <p><u>Scanner</u></p> <p>1. Epson - 1</p> <p><u>UPS</u></p> <p>20 KVA ON – LINE UPS GE</p> <p>Working hours of the CCF : 8.30 am to 6.00 pm</p>
8.	COMPUTER NETWORKS LAB	<p>No of Computer systems : 6</p> <p><u>Hardware Specification</u></p> <p>Intel P4 2.66 GHz, Intel Original Motherboard, 256 MB DDR RAM, 512KB L2 Cache Memory 80 GB SATA HDD, 10/100 Mbps Ethernet, Onboard Audio & AGP, 52 x CD ROM Drive 15” LCD Monitor</p> <p><u>Operating System</u></p> <p>Windows XP/Linux</p> <p><u>Routers</u></p> <p>DAX Modular Access Router with 4 Wan slot (DX1721) : 6</p> <p>Cisco Routers – CISCO 1841 8</p> <p>Cisco Routers – CISCO 2801 8</p> <p><u>Switches</u></p> <p>Cisco 2950 Switch 24 10/100 port (C2950T – 24) : 1</p> <p>Cisco Switch (C2960) 2</p> <p>Dax Switch 5</p> <p><u>Racks</u></p> <p>12 u Open racks 2</p> <p><u>UPS</u></p> <p>2 KVA Online UPS</p> <p>1-port High speed serial interface Module : 10</p>

9.	Knowledge Lab	<p>No. of Computer Systems: 9 No. of UPS(APC UPS 600VA): 8</p> <p><u>Hardware Specification</u> Intel Core i5 & 8 GB RAM Intel core i7 & 16 GB RAM Intel Core i9 & 32 GB RAM</p> <p><u>Operating System</u> Windows 10 Professional, Ubuntu 20.04</p> <p>Software Installed</p> <p>Apache Netbeans 12.0, MS Office 2016,Java, Acrobat Reader, winzip,Visual Studio, Anaconda Navigator, Python 3.7,Rstudio,Matlab 2020(a), Latex, C,C++ ,etc.</p> <p>Printers 1. HP LaserJet P1008</p> <p><u>Others</u> 1. <u>Collar mic</u> 2. Digital Notepad and Pen</p>
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Annexure II

Tuition Fee Waiver Scheme

2021-22

Sl. No.	Name	Course	Branch	Amount
1	Abhirami A	S7S8	CE	75000
2	Anjima Sanal R	S7S8	"	75000
3	Jebi K Koshy	S7S8	"	75000
4	Jitty Sebastian	S7S8	"	75000
5	Alan Raju	S7S8	"	75000
6	Aleena Jose	S7S8	"	75000
7	Aparna Sreekumar	S7S8	CSE	75000
8	Megha M B	S7S8	"	75000
9	Arun Jiju Joseph	S7S8	"	75000
10	Aromal M	S7S8	"	75000
11	Aparna L S	S7S8	"	75000
12	Ajmi N S	S7S8	"	75000
13	Vishnu P Kumar	S7S8	ECE	75000
14	Ann Mary Pradeep	S7S8	"	75000
15	Nayanathaara N P	S7S8	"	75000
16	Devika S S	S7S8	"	75000
17	Aarcha S Sreevidhya	S7S8	"	75000
18	Mahima Abhilash	S7S8	"	75000
19	Ahalya S	S7S8	EEE	75000
20	Abhijith A	S7S8	"	75000
21	Devika M M	S7S8	"	75000
22	Riya Mary Jacob	S7S8	"	75000
23	Vishnu J B	S7S8	"	75000
24	Abhimanyu A L	S7S8	"	75000
25	Aarya S	S7S8	ME	75000
26	Jobin Joy	S7S8	"	75000
27	Sanjay Menon J	S7S8	"	75000
28	Anju P S	S7S8	"	75000
29	Kailas Nath J	S7S8	"	75000
30	Muhammad Siddique A	S7S8	"	75000
31	Aswin Asok	S5S6	CE	75000
32	Sajad N S	S5S6	„	75000
33	Ebin Das C F	S5S6	„	75000
34	Pallavi Premjith	S5S6	„	75000
35	Manasa Manu	S5S6	„	75000

36	Nevin P Biju	S5S6	„	75000
37	Akil Dhanesh	S5S6	CSE	75000
38	Karthika Sankar U	S5S6	„	75000
39	Merlin Thomas	S5S6	„	75000
40	Megha K Saji	S5S6	„	75000
41	Devika Sathoshkumar M	S5S6	„	75000
42	Esther Jose	S5S6	„	75000
43	Aravind U R	S5S6	ECE	75000
44	Faizan Ahamed Dawood Majahar	S5S6	„	75000
45	Brigitta W L	S5S6	„	75000
46	Vidya Vikraman	S5S6	„	75000
47	Gayatri Rajeev	S5S6	„	75000
48	Geethu B	S5S6	„	75000
49	AL Ameen S N	S5S6	EEE	75000
50	Kurien Koshy	S5S6	„	75000
51	Rohit V K	S5S6	„	75000
52	Soorya Redhnakaran	S5S6	„	75000
53	Akhil A S	S5S6	„	75000
54	Archana S R	S5S6	„	75000
55	Azhar Muhammad S A	S5S6	ME	75000
56	Anjith Madhav D	S5S6	„	75000
57	Yethil A N	S5S6	„	75000
58	Shalom B Varghese	S5S6	„	75000
59	Ashik Salman Z	S5S6	„	75000
60	Auldrin Anil	S5S6	„	75000
61	AMRITHA S S	S3S4	CE	75000
62	GOPIKA R G	S3S4	„	75000
63	SIMJESH SG	S3S4	„	75000
64	AKSHAY A S	S3S4	„	75000
65	NANDANA J S	S3S4	„	75000
66	ADARSH G CHANDRAN	S3S4	„	75000
67	SHIBIN SHIBU	S3S4	CS	75000
68	VINAYAK R K	S3S4	„	75000
69	FEBIN S	S3S4	„	75000
70	ADITHYA ANIL	S3S4	„	75000
71	MANIKANDAN B NAIR	S3S4	„	75000
72	GOPAL S	S3S4	„	75000
73	CHRIS MATHEW	S3S4	EC	75000
74	VARUN V S	S3S4	„	75000
75	DILSANA SUNIL	S3S4	„	75000
76	BRINTA BOSCO	S3S4	„	75000
77	SHERIN SHAJAHAN	S3S4	„	75000
78	GOWRI NANDANA T	S3S4	„	75000

79	SHERIN S RAJ	S3S4	EE	75000
80	KARTHIK K S	S3S4	„	75000
81	NIMISHA R	S3S4	„	75000
82	MALAVIKA S	S3S4	„	75000
83	SANJAY S S	S3S4	„	75000
84	JYOTHSNA B	S3S4	„	75000
85	GOKUL KRISHNA GOPAKUMAR	S3S4	ME	75000
86	ROHITH P	S3S4	„	75000
87	SREEKANTH M R	S3S4	„	75000
88	ASHWIN MATHEW	S3S4	„	75000
89	ABHIRAM P	S3S4	„	75000
90	SANDHRA ROSE CHACKOCHAN	S3S4	„	75000
91	Bhavana S Pillai	S1S2	CE	75000
92	Greeshma G	S1S2	"	75000
93	Hashna khader	S1S2	"	75000
94	Steena James	S1S2	"	75000
95	Adheena A Fernandez	S1S2	CSE	75000
96	Liya Susan Biju	S1S2	"	75000
97	Nandana K	S1S2	"	75000
98	Nandana T S	S1S2	"	75000
99	Nandhu Krishna M	S1S2	"	75000
100	Vismaya C P	S1S2	"	75000
101	Akash Vijay	S1S2	ECE	75000
102	Shalu U S	S1S2	"	75000
103	Sruthy Jose	S1S2	"	75000
104	Ajin Santhosh	S1S2	"	75000
105	Akhil V	S1S2	EEE	75000
106	AL Ameen S N	S1S2	"	75000
107	Sarath A C	S1S2	"	75000
108	Basil Anil	S1S2	"	75000
109	Aakash Sivasankar	S1S2	"	75000
110	Ashiq J V	S1S2	"	75000
111	Alan Lalu George	S1S2	ME	75000
112	Gokul Krishnan G R	S1S2	"	75000
113	Midhun M S	S1S2	"	75000
114	Nandan S Ram	S1S2	"	75000
115	Aaron Koshy Bobby	S1S2	"	75000
116	Sidan Ahammed S	S1S2	"	75000
Total				8700000