



CDC-07R, Rev.0,  
01.04.2021

 KONGU ENGINEERING COLLEGE (Autonomous) PERUNDURAI – 638060 INTERNAL QUALITY ASSURANCE CELL Estd : 1984	<b>KONGU ENGINEERING COLLEGE</b> <b>(Autonomous)</b> <b>PERUNDURAI – 638060</b> <b>INTERNAL QUALITY ASSURANCE CELL</b>	 CERT No.:99-100-20788 ISO 9001 : 2015
	<b>Curriculum Feedback Received and Action Taken Report</b>	

Name of the Board: Electronics and Instrumentation Engineering

Date: 30.08.2022

S. No.	Academic Year	Stakeholder	Name, Designation & Affiliation	Feedback Received	Action Taken	Year of Implementation
<b>Students</b>						
1.	2022-2023	Student	19EIR004 Aruna G IV Year EIE	Advanced topics may be included	Artificial Intelligence and Deep learning algorithms related courses included in R2022	2022-2023
2.	2022-2023	Student	19EIR024 Gokul U IV Year EIE	Practical Courses may be enhanced Current or Trendy topics may be added	Industry 4.0 with IIoT concepts added in R2022	2022-2023
3.	2022-2023	Student	19EIR017 Dhivya Shree A IV Year EIE	More computer related courses may be introduced	Five programming courses and two professional skills training courses introduced in R2022	2022-2023
4.	2022-2023	Student	19EIR015 Dhayaashree P IV Year EIE	Need more credit courses related to our department	Six one credit courses included in R2022	2022-2023

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5.	2022-2023	Student	19EIR078 Sedhuraman V IV Year EIE	More Core subjects are to expected in one/two credit courses	All the one credit courses introduced in R2022 are mostly core oriented concepts	2022-2023
6.	2022-2023	Student	19EIR075 Saran Kumar K S IV Year EIE	VLSI Design course may be added as a core subject, which will be useful for placement	VLSI Systems is in professional elective now. It will be considered for next regulation	Next Regulation
7.	2022-2023	Student	19EIR050 Monesh M S IV Year EIE	Placement related open elective (software) courses may be added	Five programming courses and two professional skills training courses introduced in R2022 which will be helpful for placement	2022-2023

**Teachers**

1.	2022-2023	Teacher	Dr.N.Mahesh Associate Professor Department of EIE Kongu Engineering College, Perundurai, Erode-638060	IoT Specific courses may be incorporated	Industry 4.0 with IIoT and Embedded with IoT courses are added in R2022.	2022-2023
2.	2022-2023	Teacher	Mr.S.Janarthanan Assistant Professor (SI.G) Department of EIE Kongu Engineering College Perundurai, Erode-638060	Instrumentation in Marine and Skinput Technology may be introduced Design Thinking and creativity Instead of mini project in sixth semester, laboratory course may be introduced	These may be considered for next regulation	Next Regulation

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3.	2022-2023	Teacher	Dr.T.Kalavathi Devi Associate Professor Department of EIE Kongu Engineering College Perundurai, Erode-638060	May be involving industry - IoT based	CoE on IIoT started to involve industries	2022-2023
4.	2022-2023	Teacher	Dr.K.Prabhu Associate Professor Department of EIE Kongu Engineering College Perundurai, Erode-638060	MATLAB Courses specific to EIE department may be added	Value added Courses related to MATLAB like Control System Modeling and Algorithms and Sensors and Interfacing are introduced	2022-2023
5.	2022-2023	Teacher	Dr.A.Asokan Associate Professor  Government College of Engineering, Thanjavur	One credit course on general aptitude may be provided	These may be considered for next regulation	Next Regulation
6.	2022-2023	Teacher	Dr.R.Rajkumar Assistant Professor (Sr.G) Department of EIE Kongu Engineering College Perundurai, Erode-638060	Credit course on LabVIEW, PLC and SCADA may be introduced.	One credit course like Intelligent Automation with PLC is included in R2022	2022-2023
<b>Employers</b>						

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1.	2022-2023	Employer	Mr.Mohamed Ghouse R CEO Kalchi Controls, Trichy 620017	New application oriented topics and subject relevant to the application can be added to the curriculum	<ul style="list-style-type: none"> <li>• Application oriented topics and courses like Industry 4.0 with IIoT, Instrumentation Techniques in Agriculture, Instrumentation in Aircraft Navigation and Control, Instrumentation and Control in Process Industries, Instrumentation and Control in Paper and Petro-Chemical Industries are included in R2022</li> <li>• Training will be organized on Industrial applications for students through credit courses introduced in R2022 by the faculty members and industrial experts</li> </ul>	2022-2023
				Smart sensors, PLM software and Virtual modeling		
				Training may be organized on Industrial applications which will give a firsthand experience to students		

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2.	2022-2023	Employer	Mr.Manikandan Associate Software Engineer Rently Software Development Private Limited, Coimbatore	<p>Software oriented real time applications courses may be offered for software opted students Ex. Machine learning, AI, APP creations, languages oriented courses may be introduced</p> <p>For core opted students, PLC and SCADA hands on training courses from industry experts may be given</p>	<ul style="list-style-type: none"> <li>Machine Learning and its Applications and Deep Neural Networks for Computational Imaging are introduced in R2022.</li> <li>One credit course like Machine Learning for Industrial Automation is introduced in R2022.</li> <li>One credit course like Intelligent Automation with PLC is included in R2022. Training will be organized for the students by the industrial experts</li> </ul>	2022-2023
3.	2022-2023	Employer	Ms. Keerthi Nivas SriVatsaa Foods Private Limited, Tuticorin, 628003	New product development labs may be introduced	<ul style="list-style-type: none"> <li>CoE on IIoT started to improve students projects, research and product development</li> </ul>	2022-2023

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4.	2022-2023	Employer	Mr. Manoj Prabhakaran M Zoho, Salem hub office.	Design related one credit may be introduced.	<ul style="list-style-type: none"> <li>• Design related one credit courses like Intelligent Automation with PLC, Electronics System design in IoT, Industrial IoT and Networking are introduced in R2022</li> </ul>	2022-2023
5.	2022-2023	Employer	Mr. Vinith Assistant Manager Hatsun Agro Products Salem	Upcoming automation technology topics may be strengthened	<ul style="list-style-type: none"> <li>• Core courses like PLC, DCS and Industry 4.0 with IIoT are included in R2022</li> <li>• Also One credit courses like Intelligent Automation with PLC, Factory Automation With 3D Simulation and Machine Learning for Industrial Automation are introduced in R2022</li> </ul>	2022-2023

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6.	2022-2023	Employer	Mr. Manikandan.K CEO Ivory Gull Candy, Pavalathanur	Machine operations in processing industries (eg. boilers, steam jacketed kettles etc.) may be incorporated	<ul style="list-style-type: none"> <li>• Process operation courses like Instrumentation in Aircraft Navigation and Control, Instrumentation and Control in Process Industries, Instrumentation and Control in Paper and Petro-Chemical Industries are included in R2022</li> </ul>	2022-2023
7.	2022-2023	Employer	Ms. Keerthana Back-end developer Tata Consultancy Services	New technology and tools may be included	<ul style="list-style-type: none"> <li>• Core courses like PLC, DCS and Industry 4.0 with IIoT are included in R2022</li> <li>• Also One credit courses like Intelligent Automation with PLC, Factory Automation With 3D Simulation and Machine Learning for Industrial Automation are introduced in R2022</li> </ul>	2022-2023
8.	2022-2023	Employer	Ms.Selvanayagi Coding mart	Web development related courses may be provided	Web Technology is introduced as Open	2022-2023

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			Technologies, Coimbatore		Elective course in semester V	
9.	2022-2023	Employer	Mr. Ashwin M Business Analyst Milky Mist Erode.	Data analysis, process flow fixation. concepts may included	These concepts may be considered for next regulation	Next Regulation
10.	2022-2023	Employer	Mr. Mounesh Raja.V Trainee Decision Scientist Mu-sigma & ITPL, white field, Bengaluru, Karnataka	Python and Java courses may be strengthened	<ul style="list-style-type: none"> <li>• Java Programming course is introduced in R2022 semester III</li> <li>• Python Programming course is introduced in R2022 semester IV</li> </ul>	2022-2023
<b>Alumnae</b>						
1.	2022-2023	Alumni	Mr. Deepak R Graduate Apprentice Trainee- Seshasayee Paper and Boards Limited, Pallipalayam, Namakkal	Make Instrumentation lab more realistic	CoE on IIoT started to provide more practical exposure to students through training courses	2022-2023
2.	2022-2023	Alumni	Mr. Muralidharan M Associate Software Engineer, BGSW, Coimbatore	More of analytical thinking and programming courses may be introduced	Five programming courses and two professional skills training courses introduced in R2022 which will be helpful for placement	2022-2023

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3.	2022-2023	Alumni	Mr. Gokulan Database Administrator TCS	Programming Languages and Frameworks may be incorporated	Five programming courses and two professional skills training courses introduced in R2022 which will be helpful for placement	2022-2023
4.	2022-2023	Alumni	Mr. Guhan S	Real-time IT industrial required courses for EIE branches like JAVA, basic automation testing may be added Embedded courses may be concentrated for EIE branches	<ul style="list-style-type: none"> <li>• Java and Python Programming courses are introduced in R2022</li> <li>• Advanced Java Programming course is introduced as Open Elective course in R2022</li> <li>• Embedded Systems course is introduced as elective course in R2022. Also one credit course like Electronics System design in IoT is introduced in R2022</li> </ul>	2022-2023
5.	2022-2023	Alumni	Mr. Subha Prashanth K S Entrepreneur Viggi Agro Products Namakkal	Agriculture related courses may be introduced	<ul style="list-style-type: none"> <li>• Course like Instrumentation in Agriculture is introduced in R2022</li> </ul>	2022-2023

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6.	2022-2023	Alumni	Mr. Krishnan U Software Developer TEKCLAN Software Solutions Pvt. Ltd. Chennai-600113	Field Instrument Data Logging from analog/ digital instruments and data analytics, data visualization and report generation concepts may be introduced.	<ul style="list-style-type: none"> <li>• Core courses like PLC, DCS and Industry 4.0 with IIoT are included in R2022</li> <li>• Also One credit courses like Intelligent Automation with PLC, Factory Automation With 3D Simulation and Machine Learning for Industrial Automation are introduced in R2022</li> </ul>	2022-2023
7.	2022-2023	Alumni	Ms. Logapriya.L	Courses on Artificial Intelligence (AI) and Data Science may be added	<ul style="list-style-type: none"> <li>• Machine Learning and its Applications and Deep Neural Networks for Computational Imaging are introduced in R2022.</li> <li>• One credit course like Machine Learning for Industrial Automation is introduced in</li> </ul>	2022-2023

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					R2022.	
8.	2022-2023	Alumni	Mr. Vigneshwaran Deputy Brand Manager - TVS Credit	Options to choose cross disciplinary elective subjects from second year may be provided	This may be considered for next regulation	Next Regulation
<b>Parents</b>						
1.	2022-2023	Parent	Mr. Satheesh Kumar D SPB Ltd, Pallipalayam, Namakkal	Courses with Industrial process operations may be introduced	Industrial Process operation courses like Instrumentation in Aircraft Navigation and Control, Instrumentation and Control in Process Industries, Instrumentation and Control in Paper and Petro-Chemical Industries are included in R2022	2022-2023
2.	2022-2023	Parent	Mr. Muthusamy K Business Chennimalai, Erode-638051	Good	--	--
3.	2022-2023	Parent	Mr. Ramachandran K Business Dharapuram-638656	Good	--	--
4.	2022-2023	Parent	Ms. Subathra Devi. K Teacher Tiruchengode 637211	Good	--	--
5.	2022-2023	Parent	Ms. Kavitha R Komarapalayam Namakkal	Good	--	--

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 <p>Kongu Engineering College Perundurai Estd : 1984</p>	<b>KONGU ENGINEERING COLLEGE</b> <b>(Autonomous)</b> <b>PERUNDURAI – 638060</b> <b>INTERNAL QUALITY ASSURANCE CELL</b>	 <p>CERT No.:99-100-20788 ISO 9001 : 2015</p>
	<b>Curriculum Feedback Received and Action Taken Report</b>	

Name of the Board: EIE

Date: 12.05.2023

S. No.	Academic Year	Stakeholder	Name, Designation & Affiliation	Feedback Received	Action Taken	Year of Implementation
<b>Students</b>						
1.	2022-2023	Student	19EIR078 Sedhuraman V IV Year EIE	VLSI and FPGA related courses are required for placement point of view, to be added in credit courses	It is conducted through Value added courses	2022-2023
2.	2022-2023	Student	19EIR063 Priyanga M IV Year EIE	Advanced programming languages	Five programming courses and two professional skills training courses introduced in R2022. Two credit courses on LabVIEW programming was conducted	2022-2023
3.	2022-2023	Student	19EIR005 Athif Ahamed M IV Year EIE	Courses on PLC and DCS can be added	Advanced topics was added in Industrial Automation using PLC And DCS in R2022	2022-2023
4.	2022-2023	Student	19EIR079 Shalini V IV Year EIE	More credit courses need to be conducted	Three Credit courses were conducted.	2022-2023

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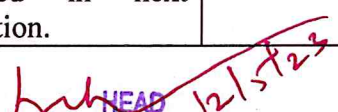
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5.	2022-2023	Student	19EIR075 Saran Kumar K S IV Year EIE	<ul style="list-style-type: none"> <li>• OrCAD Circuit Design in EDC, Brushless DC motors in Electrical Machines, Wireless Transmitters in Industrial Instrumentation, Variable Frequency drives in LDCS, Node-RED Programming in IIoT, Workplace behaviour &amp; discipline in UHV</li> <li>• Electric Circuits using EDA Tools, Mixed Signal Circuit: Technology, Logic Design and CAD Tools, Industrial Automation using LabVIEW</li> </ul>	<ul style="list-style-type: none"> <li>• Brushless DC motors was included in Electrical Machines and drives course.</li> <li>• Other suggested topics may be included in next regulation.</li> <li>• Industrial Automation using LabVIEW was included in R2022</li> </ul>	2022-2023  Next regulation  2022-2023
6.	2022-2023	Student	20EIR049 Mukesh LB III Year EIE	<ul style="list-style-type: none"> <li>• To make data structures, IOT lab, VLSI design , embedded systems as mandatory.</li> <li>• Detailed concepts of PID, control systems concepts</li> </ul>	<ul style="list-style-type: none"> <li>• All the suggested laboratory courses are included in R2022.</li> <li>• The suggested concepts are included in R2022.</li> </ul>	2022-2023
<b>Teachers</b>						
1.	2022-2023	Teacher	Dr.K.Prabhu Associate Professor/EIE KEC	MATLAB Courses specific to EIE department may be added	The suggested courses are included in R2022.	2022-2023
2.	2022-2023	Teacher	Mr.D.Selvakarhi Assistant Professor (Sr.G)/EIE KEC	Industrial Softwares like SPI	The suggested softwares may be included in next regulation.	Next regulation

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3.	2022-2023	Teacher	Dr.R.Subasri Professor/EIE KEC	Number of software courses may be reduced	The suggested point may be considered in next regulation.	Next regulation
4.	2022-2023	Teacher	Dr.R.Rajkumar Assistant Professor (Sr.G)/EIE KEC	More real time applications using DAQ in VI	The suggested topic is included in R2022.	2022-2023
5.	2022-2023	Teacher	Ms.R.Sasikala Assistant Professor (Sr.G)/EIE KEC	Industrial Automation and Instrumentation	The suggested topics was included in R2022.	2022-2023
<b>Employers</b>						
1.	2022-2023	Employer	Mr. Apoorvan. Application Engineer AVL India pvt LTD, Chennai	Good	--	--
2.	2022-2023	Employer	Mr. Thiyagarajan A Engineer L&T Technology Services, Sarjapur Road, Carmelaram	Good	--	--
3.	2022-2023	Employer	Athithya N Cognizant technology solutions	Good	--	--
<b>Alumnae</b>						
1.	2022-2023	Alumni	Ms. Harini K K Embedded Design Engineer - Hardware @ Mistral Solutions, Bangalore	Good	--	--
2.	2022-2023	Alumni	Mr. Annas T Senior System	Artificial Intelligence related courses , Digital	Artificial Intelligence related	2022-2023

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			Engineer , Infosys	Marketing related courses as these both plays a major role in all the industries in present days	courses are included in R2022 Digital Marketing related courses may be considered in next regulation	Next regulation
3.	2022-2023	Alumni	Mr. Ramanidharan K Application Development Associate - Accenture, Bengaluru	Good	--	--
4.	2022-2023	Alumni	Arun R Graduate Engineer Trainee - HCL Chennai	Good	--	--
<b>Parents</b>						
1.	2022-2023	Parent	Mr. Rajendrian M	Good	--	--
2.	2022-2023	Parent	Mr. Shivabalan M	Good	--	--
3.	2022-2023	Parent	Mr. Kamarajan N	More application based curriculum can be implemented	The suggested point is included in R2022	2022-2023
4.	2022-2023	Parent	Mr. Satheesh Kumar D	Practical knowledge is to be improved	Credit courses and value added courses was conducted to enhance the practical knowledge	--

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