# KONGU ENGINEERING COLLEGE
## (Autonomous)
## PERUNDURAI – 638060
## INTERNAL QUALITY ASSURANCE CELL

### Curriculum Feedback Received and Action Taken Report
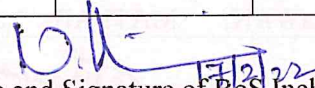
CERT No.:99-100-20788
ISO 9001 : 2015

Name of the Board: ECE

Date: 17.02.22

| S. No. | Academic Year | Stakeholder | Name, Designation & Affiliation | Feedback Received | Action Taken | Year of Implementation |
|---|---|---|---|---|---|---|
| | | | | **Students** | | |
| 1. | 2021-2022 | Student | Chethan R 18ECR028 | Cloud Computing and Machine Learning may be given for 3 rd years as a part of curriculum. So they may face interviews better. Internship students may skip the project. | Internship students can skip the academic project if they are assigned a project in the company. | 2022 |
| 2. | 2021-2022 | Student | Deepika M 18ECR033 | Data science related courses may be added in the curriculum | Data science course like Machine Learning, Artificial Intelligence, Neural Networks and Deep learning are offered as open electives | 2022 |
| 3. | 2021-2022 | Student | Parkavi S 18ECR132 | Creative assignments may be given | For courses like MPMC, DE, EC the students are encouraged to do mini project/ creative assignments. | 2022 |
| 4. | 2021-2022 | Student | Santhosh E 18ECR179 | Industry 4.0, IOT Artificial Intelligence, Data Science may be added in the curriculum | Industry 4.0 is offered as PE, Artificial Intelligence is offered as OE<br><br>Provision for Honor degree in AI | 2022 |

Name and Signature of BoS Incharge
Dr. N. KASTHURI
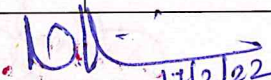
Signature of BoS Chairman with seal

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | and ML is given for the students by earning extra credits | |
| 5. | 2021-2022 | Student | Arun Aditya N 19ECR013 | Operating system may be included in the subject<br><br>DRONE Technology may be given | Linux OS is offered in PE<br><br>DRONE Technology is offered as OE | 2022 |

**Teachers**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. | 2021-2022 | Teacher | Renugadevi A S Assistant Professor | Java may be added as a core subject instead of elective | The student is learning one programming paper per semester. So Java programming in OE may be opted by a student | 2022 |
| 2. | 2021-2022 | Teacher | G.Thirunavukkarasu, Assistant Professor | Massive MIMO, beamforming may be introduced<br><br>In mobile communication, diversity and equalization may be included<br><br>Cognitive radios and applications may be given as one credit course | MIMO, beamforming contents are included in Next generation Wireless Communication<br><br>The diversity and equalization may be included in mobile communication<br><br>Two credit course is offered with MATLAB | 2022 |
| 3. | 2021-2022 | Teacher | Dr.N.Kasthuri Professor | Communication standards may be included in wireless communication<br><br>PCB design and fabrication Hands on courses may be given to develop their own boards | Included in Data communication and Internetworking course<br><br>PCB course is offered as OE | 2022 |
| 4. | 2021-2022 | Teacher | A.Chandrasekaran Assistant Professor | Nanotechnology may be given | Nanotechnology for energy sustainability is offered as PE | 2022 |
| 5. | 2021-2022 | Teacher | T.Meeradevi Professor & Head | PLC, SCADA may be added<br><br>Industry oriented courses may be given as one/two credit courses | PLC programming and its Application is offered as OE<br><br>One / two credit courses like LoRaWAN, MATLAB are | 2022 |

Name and Signature of BoS Incharge
Dr. N. KASTHURI

Signature of BoS Chairman with seal

| | | | | | offered with linkage with Industries | |
|---|---|---|---|---|---|---|

**Employers**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. | 2021-2022 | Employer | Hariharasudhan. Ul Proserv , Chennai | PLC(Analog code creation) may be given for the students | PLC is offered as OE | 2022 |
| 2. | 2021-2022 | Employer | Thennarasu Assistent System Engineer Tata Consultancy Services Bangalore | Angular,React,node js Angular, React,node s,javascript,typescript may be included in the syllabus | Java programming is offered as OE | 2022 |
| 3. | 2021-2022 | Employer | Hariprashanna PCB Design 107,North Street | Leadership and Personality development subjects may be included. | Economics and Management subject is offered as core | 2022 |
| 4. | 2021-2022 | Employer | Prashanthi Karthikeyan Test Engineer at Infosys limited Mahendra city, Chengalpattu | Front end developer: Angular Back end developer: Java<br><br>Freshers should be strong in any of the above programming language so that they may shine in their life.<br><br>Instead of C or C++ involve java as one of the course (Atleast elective) For software field: include any of above 3<br><br>Arrange some knowledge transfer session frequently and involve every student so that they will be confident to speak in front of crowd which makes recruiters to feel this guy is very confident and he/she will surely achieve | Java is offered as OE<br><br>To give importance to programming languages, from second semester onwards one programming subject is offered as a core/ PE courses<br><br>Knowledge transfer sessions like aptitude training, personality development, communication skill development are organised by Placement Cell | 2020 |

Name and Signature of BoS Incharge

(Dr. N. KASTHURI)

17/2/22

Signature of BoS Chairman with seal

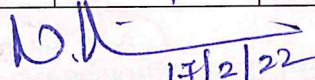| 5. | 2021-2022 | Employer | B. Ezhilavan , Managing Director VEI Technologies, No 244,First floor, Trunkroad, PSB Complex, Poonamallee, Chennai-56. | Subjects like Gaming, App Development, <br><br> Data Science, <br><br><br> Robotics, and Angularjs may be given | Mobile Application is offered as 1 credit course <br><br> Data Science subjects are included in the syllabus <br><br> Robotics and Java is offered as OE | 2022 |
|---|---|---|---|---|---|---|

**Alumnae**

| 1. | 2021-2022 | Alumni | Swathi Gunasekaran 11ECR163 | Similar to Professional ethics curriculum on importance of mental health can be added. This will help students in Professional and personal life. <br><br> Also each degree should have a fun part (if it's ECE then things like how a remote controller works, hobby/DIY electronic projects) which might help develop more interest and intuition. <br><br> Syllabus could be based on GATE (and other competitive exams) syllabi which is updated time to time by the reputed exam conducting bodies. <br><br> Internships should be encouraged in good Tech companies rather than the easily available ones. As like in Tier 1 institutes separate interviews could be conducted on campus in end of 2nd yr or start of 3rd yr for Internships. This will also help in PPOs (Pre Placement Offers) | Yoga course is included in the curriculum. <br><br> Mini projects are given to have the fun part. <br><br> The syllabus like MPMC is updated based on updated GATE syllabus. <br><br> Students are encouraged to do full time internships from seventh semester by exempting the courses in 7th and 8th semester. | 2022 |
|---|---|---|---|---|---|---|

Name and Signature of BoS Incharge

(DT. N. KASTHURI)
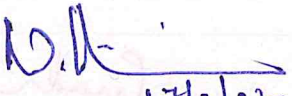
Signature of BoS Chairman with seal

| | | | | | | |
|---|---|---|---|---|---|---|
| 2. | 2021-2022 | Alumni | Muruganantham 14ECR107 | FPGA basics, Verilog coding basics and Verilog coding in VLSI may be given. | VLSI laboratory syllabus is designed with simulation and implementation using Verilog coding<br><br>System Verilog is offered in PE | 2022 |
| 3. | 2021-2022 | Alumni | Hari Kumar C 17ECR053 | Java as a programming language may be given as a subject | Java Programming is offered as open elective | 2022 |
| 4. | 2021-2022 | Alumni | Kulothungan N 17ECR093 | Courses like MEMS design and Quantum computing may be given in Electives.<br><br>PCB fabrication may be given as 2 credit courses<br>One year project at Industry for all students may be encouraged to implement the ideas based on the domain skill | MEMS design and Quantum computing are offered as PE<br><br>PCB Design fabrication is offered as PE<br><br>Students are allowed to do industry project during final year by availing course exemption by earning the credits before final year | 2022 |
| 5. | 2021-2022 | Alumni | Suresh Babu V 17ECR208 | Java and other programming languages may be given | To make the students employable programming courses like Java, python ect are offered. | 2022 |
| **Parents** | | | | | | |
| 1. | 2021-2022 | Parent | Karpagavalli K Assistant Professor M/o Akshaya K 19ECR007 | Communication skills must be developed.<br><br>Out Campus experience may be given to students to enrich their life skills. | Training sessions are arranged by Placement cell to Improve communication skills<br><br>Students are encouraged in co curricular activities like paper presentation, project presentation in reputed Institutions and extracurricular activities like sports, NCC and NSS | 2022 |
| 2. | 2021-2022 | Parent | Kanagaraj C F/oPraveenkumar K 18ECR146 | Curriculum may include Moral Education also | Universal Human Values subject is included as core subject | 2022 |

17/2/22

Name and Signature of BoS Incharge

(Dr. N. KASTHURI)

Signature of BoS Chairman with seal

| 3. | 2021-2022 | Parent | K V Saravanan Zional Sales Head TVS Motor Company Limited. F/o Madhavan R 18ECR089 | Language improvement is minimal should improve | Training sessions are arranged by Placement cell to Improve communication skills | 2022 |
|----|-----------|--------|-----------------------------|----------------------------------|----------------------------------|------|
| 4. | 2021-2022 | Parent | Noorulla Khan D Salesman F/o Gulnas N 19ECR044 | GATE coaching may be given to students | GATE coaching is given in the campus | 2022 |
| 5. | 2021-2022 | Parent | Ramalingam K Farmer F/oNiventhra R 18ECR126 | Faculty can provide more support during project times | Mentor is allocated for each student to carry out the project | 2022 |

17/2/22

Name and Signature of BoS Incharge

( Dr. N. KASTHURI )

Signature of BoS Chairman with seal