

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY

ACTION TAKEN REPORT

STAKEHOLDER FEEDBACK

2022-2023



INTERNAL QUALITY ASSURANCE CELL

**Action Taken / Curriculum updates based on the Stakeholder Feedback
Academic Year 2022-2023**

Stakeholder	Feedback	Name of the School/ Department	Action Taken/Updates	Proof of Record
<p>ABET review team</p> <p>Alumni, Employer</p>	<p>Application based programming knowledge would improve employability</p> <p>Courses on recent technologies have to be updated</p>	<p>School of Computing</p>	<p>Revision of courses Syllabus of Parallel and Distributed Computing is revised and is included as core course in 5th semester. Following courses were revised for B.E Computer Science and Engineering 1.SCSA1415 Machine Learning Essentials 2.SCSA1412 Machine Learning Lab 3.SCSA3092 Augmented Reality and Virtual Reality 4.SCSA1319 Design Thinking and Innovations 5.SCSA1211 Python Programming 6.SCSA2413 DL with TensorFlow and Keras.</p>	<p>21st Academic Council – Jan 2023 - Item no:AC:22-23-21:03</p> <p>Item no.3- CSE- MoM – BOS – dated 08/12/2022</p> <p>Item no.1- CSE- MoM – BOS – dated 08/12/2022</p>
<p>Faculty, Students</p> <p>Employers, Alumni</p>	<p>Courses on cyber security, digital forensics and wireless technology are the need of the day</p> <p>Courses on drone technology can give better placement opportunities for students</p>	<p>School of Electrical and Electronics</p>	<p>New Courses Introduced as PBLA 1.6G wireless technologies, cryptography and cyber security– B.E. Electronics and Communication 2.Anti-Drone Systems Artificial Intelligence for Industrial Applications, strategies in Industry 5.0 – B.E. Electronics and Communication Engineering Revision of Courses Graphical Programming for Engineers - B.E. Electronics and Communication Engineering</p>	<p>19th Academic Council – Jan 2022 - Item no:AC:22-23-19:04</p> <p>Item no.1-5-EE MoM – BOS- dated 26/11/2022</p>

students	To include components of electric vehicles in curriculum		<ol style="list-style-type: none"> 1.Power electronics lab SEEA2401 syllabus revised – B.E. Electrical and Electronics Engineering 2.Industry 4.0 for Electrical Engineers SEEA1403 – B.E. Electrical and Electronics Engineering 	Item no.1-5-EEE MoM – BOS- dated 26/11/2022 19 th Academic Council – Jan 2023 - Item no:AC:22-23-21:04
Alumni, Students	Exposure to entrepreneurship is necessary	School of Mechanical Engineering	<p>New Courses introduced</p> <ol style="list-style-type: none"> 1. Research Methodology and IPR - B.E. Mechanical Engineering 2. Include yoga as mandatory audit course - B.E. Mechanical Engineering 3. Fuels and Lubricants, Introduction to Electric and Hybrid Vehicle – Automobile Engineering 4. SPR1403 Modern Manufacturing Processes, SMR1401 	<p>21st Academic Council – Jan 2023 - Item no:AC:22-23-21:05</p> <p>Item no.1-3– MECH- MoM – BOS – dated 12/04/23</p> <p>Item no.1,3 – AUTO- MoM – BOS – dated 17/04/2023</p>
Employers, Alumni	Genomic studies and Datascience are predicted as the future in the field of Bioinformatics and Biotechnology	School of Bio and Chemical Engineering	<p>Revision of Courses</p> <ol style="list-style-type: none"> 1.Biomedical Instrumentation lab – B.Tech BioTechnology Engineering, Biomedical Engineering, M.Tech Medical Instrumentation, BioTechnology <p>Inclusion of Community Internships – B.Tech BioTechnology Engineering, Biomedical Engineering</p>	<p>21st Academic Council – Jan 2023 - Item no:AC:22-23-21:06</p> <p>Item no.1 –BIOTECH- MoM – BOS – dated 10/04/2023</p> <p>Item no.1 –BIOMED- MoM – BOS – dated -01/11/2022</p>
Alumni, Faculty	Planning and Design papers can be given more emphasis on design elements	School of Building and Environment	<p>Revision of Courses</p> <ol style="list-style-type: none"> 1.SARA9102 Design studio I, SARA9202 Design Studio II, SARA9301 Design Studio III - BArch 2.Prestressed concrete structures SCIA1703, Water resources Engineering SCIA1506- Civil Engineering 	<p>21st Academic Council – Jan 2023 - Item no:AC:22-23-21:07</p> <p>Item no.1 –ARCH- MoM – BOS – dated 22/08/2022</p> <p>Item no.1 –CIVIL- MoM – BOS – dated 25/05/2022</p>

			3. Building planning and Drawing Lab SCIA2201, Advanced Design of Steel Structures SCIA5203 – Civil engineering	Item no.1 –CIVIL- MoM – BOS – dated 18/11/2022
ABET expert team	Increase the basic components of physics and chemistry for first year engineering students	School of Science and Humanities	Revision of Courses 1. SCYA1101 Engineering Chemistry, SCYA2101 Engineering Chemistry Lab – All engineering branches 2. Engineering Physics, Engineering Physics lab – common to all engineering branches	21st Academic Council – Jan 2023 - Item no:AC:22-23-21:08 Item no.1,2 –Chemistry - MoM – BOS – dated 11/01/2023 Item no.1 –PHY- MoM – BOS – dated 07/03/2023
ABET expert team	Inclusion of project standards in the capstone project	Dean Academics	Revision of Project guidelines, project rubrics Preparation of Regulations 2023	21st Academic Council – Jan 2023 - Item no:AC:22-23-21:09

