DEPARTMENT OF MECHANICAL ENGINEERING
V R SIDDHARTHA ENGINEERING COLLEGE

STAKEHOLDER FEEDBACK AND ACTION TAKEN REPORT ON VR20 CURRICULUM

STAKEHOLDER	FEEDBACK AND SUGGESTIONS	ACTION TAKEN IN CURRICULUM REVISION
STUDENT	• Advance machinery for SEM Analysis must be added in laboratory. • Make some subjects as core subjects in curriculum instead of electives. • Update curriculum for new technology. • Lab utilization of Siemens COE has to be improved. • Lab equipment needs to be improved. • Students must be allowed to interact with subject experts. • Conduct more practical & industrial session which helps hands on experience on the problems. • Software based designing is to be included. • Courses related to electric vehicles to be included. • Advanced Mechatronics may be introduced.	➢ Robotics Lab (20ME4607) and Mechatronics Lab (20ME5607) are introduced in IV and V semesters respectively in order to enhance practical knowledge and also to improve Siemens COE lab utilization. ➢ New technology is adapted through Programmable Logic Controllers Lab (20ES4353) which is introduced in IV semester. ➢ Manufacturing Processes, Electronic Circuits, Basic IOT is introduced in Engineering Workshop (20ES1153). ➢ Industrial / Research Internship (20ME7552) introduced in VII Semester.
PARENT	• Allow students to explore new technical fields. • More industrial exposure needed. • Artificial Intelligence, Data sciences may be included in the curriculum. • Practical knowledge on cores subjects must be provided. • Career oriented guidance and Placement training in leading software is needed.	➢ Innovation, IPR and entrepreneurship (20MC5108B) is introduced in V semester to develop innovative skills and to explore new technical fields. ➢ Flexible Manufacturing Systems & Group Technology (20ME7403C) is introduced in VII semester to get awareness in Industrial automation. ➢ Both Python Programming (20ES2103B) and Python Programming Laboratory (20ES2152B) are included to enhance software skills.

FACULTY	• CFD Lab to be included • Problem solving methods (17CS1103) and Computing and peripherals lab may be combined. • Courses on entrepreneurship, innovation need to be included. • Theory and integrated Lab must be in the same semester. • Characteristics of composite materials is to be offered as an elective.	➤ Computational Fluid Dynamics lab (20ME7607) is introduced as an advanced skill course in VII semester. ➤ Innovation, IPR and entrepreneurship (20MC5108B) is introduced in V semester. ➤ Both Computational Fluid Dynamics theory course and laboratory are offered in VII Semester.
EMPLOYER	• Training on Software coding must be provided • Machine learning course to be included • More industrial exposure is needed. • Courses related to product quality are to be included	➤ Python Programming Laboratory (20ES2152B) is included in II semester to improve software coding skills. ➤ Duration for Epic/Internships is enhanced to 6 Weeks in VII semester. ➤ Statistical Quality Control (20ME7206B) is introduced in VII semester. ➤ Engineering Economics and Management (20HS6103) in VI Semester has been modified according to the current trends. ➤ More weightage is given to Industrial / Research Internship(20ME7552) in VII Semester
ALUMNI	• Industrial engineering courses are necessary in present situation • More weightage should be given to real time projects • Design software related classes are needed. • Artificial Intelligence and Machine Learning courses need to be included. • Include software oriented laboratories.	➤ Programmable Logic Controllers Lab (20ES4353) is introduced in IV semester.

Dr. N. Vijaya Sai
Head of the Department
Professor & Head
Department of Mechanical Engineering
V.R. Siddhartha Engineering College
VIJAYAWADA-520 007.