

FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF INFORMATION TECHNOLOGY

| Academic Year | Stake Holder | Feedback / Suggestions | Action taken / Resolutions / Approvals |
|---------------|--------------|---|--|
| 2022-23 | Students | To offer the lab for advanced courses like Deep Learning, Machine Learning, Data Visualization that will be helpful for the placements. | <ul style="list-style-type: none"> ➤ Deep Learning course is introduced as an integrated course so that the students can implement the concepts through lab ➤ Machine learning course is also offered as integrated course ➤ Data Visualization course is offered under VR20 regulations with separate lab course |
| | | To conduct mock tests before the placements | <ul style="list-style-type: none"> ➤ No. of Mock tests are conducted ➤ Mock interviews are also conducted ➤ Hacker rank and hacker earth tasks are made to implement. |
| | | To offer more framework courses like React JS and Angular JS under skill oriented courses. | <ul style="list-style-type: none"> ➤ It is proposed to refine the Web Programming and Development ➤ It is also proposed to offer as value added course and can also be offered through workshops. ➤ React Programming is offered as skill oriented course during fifth semester. |
| | | To provide training classes for better placements. | <ul style="list-style-type: none"> ➤ CRT classes are included in the time table ➤ Training classes are provided inviting the resource persons from outside. |
| | | To include the courses which are job oriented or skill oriented. | <ul style="list-style-type: none"> ➤ Integrated courses are increased in VR20 regulations and also few lab courses are offered without theory Courses like Web Programming in VR20 Regulations ➤ Full stack development course is introduced under skill oriented course during VII Semester. |
| | | To provide more practical knowledge to students to implement good projects and work with real life applications. | <ul style="list-style-type: none"> ➤ Programming labs are increased and more number of projects are included in the scheme of instructions of VR20 Regulations. ➤ Students are asked to publish their project work in Scopus indexed journals ➤ Advanced Programming labs are increased in VR20 Regulations. |
| | | To have more interactive sessions to increase communication skills and confidence | <ul style="list-style-type: none"> ➤ Mock interviews are conducted ➤ Competitions under Professional chapters are organized ➤ Proposed to include Seminars as part of their time table. ➤ SUMMIT activities are conducted ➤ Workshops are organized in technical and as well in Personality Development |
| | | Suggested to have student | <ul style="list-style-type: none"> ➤ Student clubs are initiated in the |

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| | clubs and encourage student talent and initiate Industrial trips. | <p>department and proposed to conduct more number of events.</p> <ul style="list-style-type: none"> ➤ Activities are conducted under CSI and ACM during every semester. ➤ New students clubs are started and the events are organized under that. |
| | Suggested to offer the courses like Oracle, Augmented Reality, Web 3.0, Solidity, Google GO | <ul style="list-style-type: none"> ➤ Few courses are offered in VR20 Regulations. ➤ Augmented Reality and Virtual Reality is offered as skill oriented course ➤ User Interface Design and Implementation is also offered under skill oriented course. |
| Parents | To see that students maintain discipline in and outside the campus. | <ul style="list-style-type: none"> ➤ Students are monitored strictly ➤ Students are not allowed to the classes if they are absent for the classes without prior permission ➤ Students are counselled properly for their behaviour and attitude. ➤ Students day to day attendance is recorded and the absentees information is intimated to the parents and proctors. |
| | To provide training for better placements with high package. | <ul style="list-style-type: none"> ➤ Training is provided to the students inviting the external resource persons. ➤ Ebox, CCC trainings are provided to students. ➤ Workshops are organized on aptitude and logical reasoning. ➤ Mock interviews are conducted ➤ Technical classes are conducted in different domains with the help of faculty |
| | To prepare the students in better way to face the interviews. | <ul style="list-style-type: none"> ➤ Coding labs are increased ➤ Coding exams and tasks are increased ➤ Hackathon and hacker rank tasks are asked to implement in Advanced Programming labs. ➤ Ebox and CCC trainings are provided ➤ Students are encouraged to complete the Global Certifications ➤ Coding events are organized under student clubs. |
| | To offer internship for the students with stipend. | <ul style="list-style-type: none"> ➤ Internships for the students is made mandatory as part of the curriculum ➤ CBCS students are provided with long internships ➤ Students are offered with paid internships. |
| Alumni | To introduce more courses which are helpful for their career at industry. | <ul style="list-style-type: none"> ➤ Few courses like Blockchain, Salesforce, Devops, IoT, Big Data, Cloud Computing and Deep Learning are offered to the students and few are offered by the industry persons |
| | To frame the syllabus by | <ul style="list-style-type: none"> ➤ Content of few courses like Blockchain |

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| | consulting IT real time standards so that students will gain knowledge on what is industrial standards | and Salesforce are designed with the help of industry persons and also taught by industry people. |
| | To offer courses related to testing, security, Augmented Reality meeting the industry requirements. | ➤ It is proposed to offer these courses under Job oriented / Skill oriented elective courses |
| | To include more practical oriented courses to prepare the students for industry. | <ul style="list-style-type: none"> ➤ More coding labs are introduced in VR20 Regulations ➤ Integrated courses are increased ➤ Advanced Programming Lab III is included in VR20. |
| | To offer the courses on full stack development. | ➤ Full stack development course is offered as skill oriented course under VR20. |
| Industry | To offer course on user interface design. | ➤ It is proposed to offer User Interface Design and Implementation as an Advanced skill based course under VR20 Regulations |
| | Suggested to prepare the course of Theory of Automata with GATE concepts and syllabus and should offer to students and encourage more students to go for GATE. | <ul style="list-style-type: none"> ➤ Syllabus for VR20 Regulations is prepared separately for IT /CSE students. ➤ Syllabus for Theory of Automata is prepared as per GATE and is offered to students during V semester. |
| | Suggested to offer courses on automation testing methods using selenium, Angular JS, React.. | <ul style="list-style-type: none"> ➤ Proposed to offer React as Skill Oriented course. ➤ Software Automation Testing is offered as an elective course. |
| Employer | To provide the work environment so that students can improve technical skills | ➤ Python and Data Visualization courses are included in the curriculum under VR20 |
| | To introduce the advanced courses to meet the industry needs | ➤ Few advanced courses like Blockchain, GO language, React are included in VR20 curriculum |
| Faculty/ Subject Expert | To refine the course outcomes of the courses in VR 20 curriculum. | ➤ Course outcomes are improvised based on the guidelines of OBE |
| | To introduce OOPs course as core including with lab. | ➤ OOPs course is offered as core along with lab during third semester under VR20 Regulations |
| | To offer value added courses in each semester. | ➤ Value added courses are offered to the students in different domains |
| | To publish the students projects in conferences or journals. | ➤ It was made mandatory for the students to publish the major project implementation in either conferences or journals which are in Scopus database. |
| | To modify the CO – PO and PSO mapping of the third and fourth year courses under VR20 Regulations | ➤ CO-PO-PSO mappings of third and fourth year courses of VR20 are refined |

FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

| Academic Year | Stake Holder | Feedback/Suggestions | Action taken / Resolutions / Approvals |
|---------------|--------------|---|--|
| 2022-23 | Students | To give more weightage to real time projects | <ul style="list-style-type: none">We have made internships mandatory in semester break through APSCHE and we have also included real time projects/case studies in every laboratory course. |
| | Alumni | Skill oriented courses and personality development training must be given | <ul style="list-style-type: none">3 Skill oriented courses and 4 Soft skill courses are included in VR20 curriculum and we are also conducting training sessions to improve soft skills for campus placementsELITE classes were introduced to improve soft skills |
| | Employers | Encourage Industry Institute Interaction | <ul style="list-style-type: none">We have visited Cognizant Technical Solutions (CTS), Hyderabad for Industry Institute Interaction |
| | Parents | Encourage more online certifications | <ul style="list-style-type: none">CCNA, NPTEL, Salesforce and EdX Certifications were encouraged. |

FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

| Feedback Collected | Action taken / Resolutions / Approvals |
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| <p>There is lot of gap between industry and academia.</p> <p>Curriculum should have little bit changes to Enhance Skills.</p> <p>Focus on both hardware and software skills and provide more placement opportunities.</p> | <p>Skill oriented courses are introduced in semester 4, 5 and Skill advanced course in semester 6 to train the students in latest technologies/skills that are required to industry.</p> <p>Skill oriented courses</p> <p>A. Networking Essentials by CISCO B. Programming on ARM Cortex- M3 C. Graphical System Design Using Labview D. Software Design Tools E. Advanced Digital Design Using Verilog HDL & Intro to System Verilog</p> <p>Skill Advanced course</p> <p>A. Applications of Machine learning in Real time B. 5G Communication System Using Matlab – Udemy C. ARM Development: Emphasis on Communication and External Peripherals D. Switching, Routing, and Wireless Essentials(.SRWE)-CISCO Networking Academy E. System Verilog for Verification</p> |
| <p>Awareness should be provided about internships & how to become intern.</p> | <ul style="list-style-type: none"> • Summer Internship (EPICS) for six weeks is mandatory during summer vacation after 2nd year and evaluated in sem V. • Industrial/Research Internship for 6 weeks after 3rd year is also mandatory and evaluated in sem VII. |
| <p>Curriculum should be modified so that it is in parallel with current industry requirements and trends.</p> <p>Most of the core elective courses can be replaced with latest Domain courses for better opportunities.</p> | <p>The new curriculum VR20 is designed giving priority to current industry requirements and trends. Latest courses, industry internship, training in current industry software/hardware, soft skills training etc are introduced for better placement opportunities.</p> |
| <p>Technical clubs and non-technical clubs are needed in the campus</p> <p>Modify the curriculum so that the student can atleast try to be a allrounder Or at least get interested in one or the other Courses</p> | <p>Cultural club – Samskruthi is available for all the students to encourage music, Arts, instruments, painting, hand crafts etc. They are also motivated to participate in national level competitions at premier institutions.</p> <p>Literary club promotes students to participate in various literary completions conducted by prestigious organizations.</p> <p>Apart from these every department has many technical clubs through which the students pick up their skills and exhibit their talent and also improve organization skills</p> |
| <p>Can be modified for more practical way of learning</p> | <p>More than 30% of the curriculum is designed with practical sessions. In addition to that it is mandatory to do a society related project followed by Internship in industry, Mini project 1, Mini Project 2 and Major Project and also group/individual projects in every course.</p> <p>Semester 8 is exclusively for project. No courses in this duration. Students can do project in real time in industry</p> |

FEEDBACK and ACTION TAKEN REPORTS AY 2021-22

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF MECHANICAL ENGINEERING

| FEEDBACK AND STAKEHOLDER | FEEDBACK COLLECTED | Action taken / Resolutions / Approvals |
|--------------------------|---|---|
| STUDENT | <ul style="list-style-type: none"> • 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. | <ul style="list-style-type: none"> ➤ 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 | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> ➤ 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 |

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| | leading software is needed. | <p>semester to get awareness in Industrial automation.</p> <p>➤ Both Python Programming (20ES2103B) and Python Programming Laboratory (20ES2152B) are included to enhance software skills.</p> |
| FACULTY | <ul style="list-style-type: none"> • 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. | <p>➤ Computational Fluid Dynamics lab (20ME7607) is introduced as an advanced skill course in VII semester.</p> <p>➤ Innovation, IPR and entrepreneurship (20MC5108B) is introduced in V semester.</p> <p>➤ Both Computational Fluid Dynamics theory course and laboratory are offered in VII Semester.</p> |
| EMPLOYER | <ul style="list-style-type: none"> • 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 | <p>➤ Python Programming Laboratory (20ES2152B) is included in II semester to improve software coding skills.</p> <p>➤ Duration for Epic/Internships is enhanced to 6 Weeks</p> <p>➤ Statistical Quality Control (20ME7206B) is introduced in VII semester.</p> |
| ALUMNI | <ul style="list-style-type: none"> • 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. | <p>➤ Engineering Economics and Management (20HS6103) in VI Semester has been modified according to the current trends.</p> <p>➤ More weightage is given to Industrial / Research Internship(20ME7552)</p> |

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| | <ul style="list-style-type: none">• Include software oriented laboratories. | <p>in VII Semester</p> <ul style="list-style-type: none">➤ Programmable Logic Controllers Lab (20ES4353) is introduced in IV semester. |
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FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

| Academic Year | Feedback Collected 2021-22 | Action taken / Resolutions / Approvals |
|----------------|--|--|
| 2022-23 | <p>Student feedback: Suggested to</p> <ol style="list-style-type: none"> 1. Add python programming 2. PCB designing, 3. Raspberry pi in place of 8051, 4. VLSI 5. Embedded 6. Electric Vehicles 7. course related to FPGA, 8. DBMS, Data structures, 9. computer networking 10. IOT courses in the curriculum | <p>As per VR20 Regulation</p> <ol style="list-style-type: none"> 1. Implemented Python programming course in second semester (20ES2103B) Training programs are arranged through external agencies in improving their coding skills from third semester onwards. 2. Conducted PCB designing workshop by internal faculty. 3. Planning to introduce nucleo boards (ARM cortexM3). <p>Implemented the below courses as Programme elective -4</p> <ol style="list-style-type: none"> 4. VLSI design course in seventh semester (20EE7403A). 5. Embedded Systems (20EE7403B). 6. Electrical Vehicles(20EE6205) as open Elective-2. 7. Digital design with FPGA (20EE7403C) 8. Implemented Data structures lab (20EE5607)as skill oriented course-2. DBMS and Data structures are offered to EEE students under open Elective by other departments. 9. Offered as data communication and Networking in fifth semester as programme Elective-1. 10. Implemented IOT fundamental: connecting things (CISCO certification course) under Skill Advanced course (20EE7607) in seventh semester. |
| | Recommended to modify/reduce the syllabus in matrices, differential equations, Electronic circuits, Electrical Measurements, Linear integrated circuits, Microcontroller syllabus with latest technologies. | Implemented by modifying the course content of the suggested courses in previous academic year |
| | Theory and Lab courses to be handled in the same semester | Implemented . |
| | More Industrial visits. | Visited Kumar Pumps,Tenali and Electric loco shed. |

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| Recommended for Industrial based courses and Industrial training. | Skill lync an Industrial organization offered courses in Electrical vehicles for final year students as a part of curriculum and also offered placements in the same domain |
| To add more industry oriented courses & skills. | Students are being trained in Siemens laboratory. Implemented IOT fundamental: connecting things (CISCO certification course) under Skill Advanced course (20EE7607) in seventh semester. |
| More practical sessions than theory | It will be taken care in the department |
| To improve equipment in Electronics Lab | It will be taken care in the department |
| More communication skill classes | Implemented through training programs by Training and placement cell |
| Recommended for internship programs. | More than twenty students completed internship through stipend. |
| Industry feedback Electronics Lab: suggests to get esd wrist straps with common ground point While Handling bare boards and exposed electronic IC's, esd protected environment is mandatory. | Implemented the suggestion by purchasing the esd protection mats and tested. |
| Faculty feedback: To Add the course content (Sawtooth waveform generator) in Linear integrated circuits course. In Power system course recommended To add Mechanical Design and Calculation of sag for supporters at different level and same level To add Electro Magnetic relay types to be added like Buchholtz Relay To add comparators To add Ratings of the circuit breaker To delete the topic impulse type circuit breaker Suggested the modifications in Energy conservation and Audit To add Energy Conservation Act 2001 and | Implemented as per the suggestion given by faculty. |

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| | <p>its Features,</p> <p>To Delete System approach end use approach to efficient use of electricity</p> <p>To add Additional benefits to the Energy efficient Motor</p> | |
| | <p>Parents feedback:</p> <ol style="list-style-type: none"> 1. To introduce Yoga and meditation classes for controlling stress. 2. More projects. 3. To remove inferiority complex 4. More practical knowledge 5. Gate coaching 6. More industrial guest lectures 7. To improve placements in core companies 8. Encourage students to participate in virtual laboratories. 9. Encouragement and special caring to clear Backlogs. 10. To suggest best text books by faculty at the beginning of semester. 11. To develop teaching methods with more innovative ideas 12. To improve canteen food | <ol style="list-style-type: none"> 1. Yoga course is offered to students as mandatory course in sixth semester (20MC6107B). 2. More projects are implemented in curriculum through EPICS, MINI project-I, Miniproject-II, Industry or Research internship, Major Projects 3. Implemented in first year through presentations on the given topic. 4. Implemented through lab taken class apart from the regular labs. 5. While delivering lecture important topics relevant to competitive exams are highlighted. 6. Department conducts 6-8 guest lectures by industry and academicians. 7. Suggestion is brought to the notice of TPO. Department is also trying for core placements. 8. Suggested the students to utilize the virtual laboratories available in IIT khargpur web portal. 9. Conducting Remedial classes for slow learners and revision classes for the backlog students approaching the concern faculty. 10. During introduction of course faculty suggest to purchase prescribed text books and recommends to read reference books prescribed in the syllabus from central library. 11. It is discussed in department faculty meeting and suggested the faculty to implement wherever there is possibility 12. Suggestion is forwarded to food committee |

FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

| Stakeholder | Feedback Collected | Action taken / Resolutions / Approvals |
|--------------------|---|---|
| Students | Include more job oriented or skill oriented courses in the syllabus. | Digital System Design with FPGA and Real Time Operating Systems courses is introduced in VI & VII semester of VR 20 curriculum. |
| Alumni | Provide industry ready certification courses. | PEGA training is provided to make students industry ready. |
| Employer | Include industry personals in delivering core subject syllabus. | Services of industry persons are being used in delivering Industrial 4.0 course to final year students. |
| Parents | Conduct mock interviews to make the students ready for job interviews. | In T&P classes, number of mock tests and mock interviews are conducted. |
| Teachers | Motivate students to do quality projects for solving real time industrial or societal problems. | Publication of project outcomes in IEEE conferences or Scopus indexed journals is made mandatory. |

FEEDBACK and ACTION TAKEN REPORTS AY 2021-22

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF CIVIL ENGINEERING

| Academic Year | Feedback Collected | Action taken / Resolutions / Approvals |
|----------------------|---|--|
| Student | Improve job oriented skill Programs. | <ul style="list-style-type: none">➤ Arranged Software training on GIS through Internship.➤ Conducted Orientation Program on 3D printing and Drone technology. |
| Alumni | Increase industry interaction programs | <ul style="list-style-type: none">➤ Expert talks were arranged with Industry people (IGBC, CREDAI members)➤ No of guest lectures, seminars/workshops with industry persons are arranged. |
| Employer | Need to improve the practical approach for solving technical problems. | <ul style="list-style-type: none">➤ Increased Industrial field visits in local construction sites (Various building constructions sites like concrete and steel and Ambhedhkar statue in PWD ground) |
| Parent | Improve Number of core jobs | <ul style="list-style-type: none">➤ Improved number of jobs in core sector for the Academic year 2022-23 |
| Faculty | Motivate students to do industry oriented projects or societal problems | <ul style="list-style-type: none">➤ Improved industry related Projects through EPICS and Internship. |

FEEDBACK and ACTION TAKEN REPORTS AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

MASTER OF COMPUTER APPLICATIONS

| Academic Year | Stakeholder | Feedback Collected | Action taken / Resolutions / Approvals |
|----------------------|--------------------------------------|--|---|
| 2022--23 | Industry Expert/ Employer | Suggested to incorporate the concepts related to Web Application Frameworks, Data Science and Reporting Tools. | Conducted one-week training course in Full-Stack Web Development. |
| | Faculty | Motivate the students to take up the academic projects focusing on societal problems and model development. | Taken up few academic projects focusing on societal problems related to agriculture, EV stations. |
| | Student | Requested to conduct programs related to entrepreneurship and start-ups. | Conducted a Guest Lecture on “Startup-Achieving Leadership and Advocacy”. |
| | Alumni | Requested to organize workshops on testing tools which will be useful in their early job career. | Included an elective course “Software Testing Methodologies” |
| | Parent | Provide interactive sessions with Alumni so that our children will be able to know the current scenario in the industry. | Arranged an interactive session with Alumni - Mr.K.Narayana |

FEEDBACK and ACTION TAKEN REPORT AY 2022-23

V R SIDDHARTHA ENGINEERING COLLEGE:: VIJAYAWADA

DEPARTMENT OF BUSINESS MANAGEMENT

| Academic Year | Feedback / Suggestions | Action taken / Resolutions / Approvals |
|---------------|--|--|
| 2022-23 | To provide more guidance towards employability. | Students are provided with continuous guidance and training to enhance their employability. |
| | To encourage students towards more effective participation in management meets, seminars, workshops etc. | Students are continuously encouraged to participate in the meets, seminars, workshops. Many students have won prizes in the meets. |
| | To encourage and facilitate faculty towards active participation in FDPs, Seminars, Workshops etc. | Faculty are actively participated in the FDPs, Seminars, Workshops etc. |
| | To insist on the faculty to publish research papers in Scopus / SCI journals. | Research papers published by faculty is continuously monitored in the department. |
| | To focus more on case studies to gain practical knowledge. | Case discussion sessions took place in the class. |
| | To involve more resource persons from Industry. | Resource persons from industry were invited. |
| | To facilitate more ICT enabled teaching. | ICT enabled teaching is taken place and will be enhanced. |