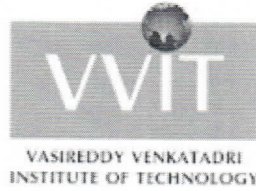# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of Board of Studies Meeting

Date:25th May2021

The third Board of Studies Meeting of the Department of Computer Science and Engineering was held online on 24.05.2021 at 02:00PM via MS Teams platform to finalize curriculum for all semesters of R-20 (Autonomous) regulation as well as finalizing the syllabus for II-I and II-II semesters and also to finalize the syllabus for III-I and III-II semesters under R-19 regulations.

The following members were present:

S.No	Name of the BoS Member	Designation	Signature
1	Prof. R Eswaraiah	Chairman	
2	Prof. MHM Krishna Prasad	University Nomineeand External BoS Member	
3	Prof. E. Sreenivasa Reddy	External BoS Member and Subject Expert	
4	Dr T Kameswara Rao	BoS Member	
5	Dr G Sanjay Gandhi	BoS Member	
6	Dr N Lakshmi Prasanna	BoS Member	
7	Dr SkKhaja Mohiddin	BoS Member	
8	Prof K Suresh Babu	BoS Member	
9	Mr P R Krishna Prasad	BoS Member	
10	Ms P Jeevana Jyothi	BoS Member	
11	Mr J Madhu Babu	BoS Member	

VVIT

VASIREDDY VENKATADRI
INSTITUTE OF TECHNOLOGY

(Autonomous)

IT DEPARTMENT LIST OF BOS MEETINGS HELD

M#	DATE	PURPOSE	REMARKS
0th	15-12-2018	RE-CONSTITUTION OF BOS FOR proposed AUTONOMOUS status	Internal
1	23-04-2019	Proposed syllabus for R19	Internal
2	11,14-06-2019	Revision of program curriculum and syllabus for R19	External
3	25-01-2020	R19 SYLLABUS FOR II YEAR	External
4	29-06-2020	R19 SYLLABUS REVISION	Internal
5	12-14 JAN 2021	R20 IT CURRICULUM STRUCTURE DESIGN	Internal
6	31-03-2021	R19 III year syllabus update	Internal
7	22-05-2021	R20,R19 CURRICULUM AND R19 II YEAR, R20 III YEAR SYLLABUS	Internal
8	24-05-2021	R20,R19 CURRICULUM AND SYLLABUS	External

Minutes of 8th BoS Meeting – External BOS, CSE and IT Departments

Held on 24-05-2021 May 2021 – Time: 2.00 PM – 4.00 PM

Convened by:

Dr R Eswaraiah, Chairman, BoS, Dept of CSE

Dr A Kalavathi, Chiarman, BoS, Dept of IT

Venue: Virtual (MS TEAMS at the link shared as below)

Meeting link:

https://teams.microsoft.com/l/meetup-join/19%3aCuVMl0QnTkaarZXblwvGzG0G53Ism0AW5jj4KMkxlnI1%40thread.tacv2/1621674077399?context=%7b%22Tid%22%3a%22f6981b0a-3915-4628-be7e-368196415f8f%22%2c%22Oid%22%3a%22413361ec-9a40-47bc-8656-1a391255516a%22%7d

Members Attended:

1. Head of Institution Dr. Y. Mallikarjuna Reddy
2. Hon'ble External BoS members of CSE and IT
3. All the staff members of CSE & IT Departments
4. Module Coordinators of specific courses including soft skills, from ECE, EEE, English, Mathematics, Physics and Chemistry Depts.

Agenda:

1. Confirmation of 7th MoM of BOS committee
2. Review of R20 Course Structure
3. Review of R20 Second Year detailed Syllabus
4. Review of R19 Third Year detailed Syllabus
5. Regarding Minors and Honours Degrees
6. Guidelines to be adopted in implementing the program.
7. Course delivery and internal evaluation pattern.
8. Any other with the permission of Head of Institution

Opening Remarks:

Dr.R. Eswariah, Chair, BoS, CSE and Dr.A. Kalavathi, Chair BoS, IT, invited all the members and presented the agenda of the meeting. The softcopies of important documents for the meeting are shared to the members. Prof. A. Kalavathi, formally revealed the progress of current R19 and R20 batches of students and their performance, in curriculum and syllabus perspective.

Later, Chairmen, BoS of CSE and IT, presented the R20 Curriculum, detailed Syllabus of II year, R19 detailed syllabus of III year. After a brain storming session, external members made their advices and suggestions. A thorough conformance of curriculum with that of stipulations made by standards academic governing bodies was also done.

The tentative minutes after the 8th BoS meeting held on 24-05-2021 are inscribed below.

Item 8.1: Confirmation of 7th BoS meeting minutes

Dr.R Eswaraiah, presented the analysis report on execution of R19 and R20 existing syllabus and stated that its being done in a formal way without any deviations in syllabus perspective.

Members appreciated it. The BoS, Chair CSE and IT with the approval from External Members, confirmed the 7th BoS meeting minutes.

Resolution 8.1:

Confirmed the 7th BoS meeting minutes and unanimously approved and decided to continue same efforts.

Item 8.2: Review of R20 Course Structure

Dr.A. Kalavathi an presented the R20 Course structure to all the members. After enough discussion, following remarks and advises were by the external members and Head of Institution.

- The external members scrutinized the fact that, while casting professional core subjects across the semesters, enough care was taken to maintain prerequisites for each course are covered in earlier semesters.
- They also satisfied with the inclusion of all Higher Education Entrance exams viz.GATE, related core courses being perfectly retained in the R20 curriculum by CSE and IT.
- Universal Human Values-I and Universal Human Values-II were emphasized by Dr.M. Krisha Prasad, to be added as mandatory.
  - UHV-1 as bridge course in I-I and UHV-2 in 7th semester as suggested.
  - He also advised faculty of CSE & IT have to be ready for handling these courses with special preparation.
  - Principal Dr.Y.M. Reddy, informed him that VVIT is running a drive for preparing a pool of faculty from all branches to get trained to teach UHV, in their respective branches.
  - BoS of CSE and IT, made necessary changes in curriculum to include the UHV-2 at 7th semester and UHV-1 already launched as a bridge course.
- The pool of Skill Oriented Courses(SC) offered at apt semesters were appreciated by the External members. They also advised a separate table for SCs offered, to be placed for reference later.
  - Industry and Alumni member Mr.A. Sainath, opined that, it's better to include industry niche skill angularJS, compared with native approach in regular syllabus. He added that, Angular JS, Ionic, Cordova as a stream for Mobile Application Development, as they serve in Hybrid development.
- The pool of Open Elective Courses(OE) proposed by the BoS are approved by the External members after a scrutiny against their importance for the CSE and IT branches and expertise available in offering branches.

- Prof. M. Rajya Lakshmi in reply to the doubt raised by Dr.A. Kalavathi, assured that Open Electives/Job Oriented Courses can be used exclusively for JOB orientation.
- OEs can be framed mutually by CSE and IT departments offering each other.
- Proposed Pools of Professional Electives(PE) streams offered by CSE and IT departments are appreciated by the External Members.
  - Prof Sanjay Gandhi, suggested the board to add User Interface/User Experience (UI/UX) course to the pools, as it's a potential and job-winning one.
  - CSE-BoS-External, University member, Prof. MHM Krishna Prasad, emphasized that, the clause to include at least one MOOCs has been rightly utilized in the R20 curriculum.
  - She also advised that, keeping the MOOCs slots open for the students, to choose, based on the contemporary courses run by the nptel Swayam, by their III and IV year of study.
  - Dr. M. Krishna Prasad, emphasized that Institute must follow, MOOCs guidelines also, while offering them to students.
  - He also informed, nptel SWAYAM courses credits are more directly authorized by AICTE, APSCHE and JNTUK, over the others like Coursera, Udemy etc.
  - He also stated, while enrolling any student to the nptel courses, HoDs must approve ONLY RE-RUN Courses, such that even in the case, if the candidate FAILS, it can be attempted again in later semesters.
  - He also suggested, the HoDs to encourage students such that they take up and complete MOOCs course in III-I or III-II itself, so that the candidate can focus on Training in the III-II semester.
  - He reminded that the intention of these MOOCs is to encourage the SELF-LEARNING component of students.
  - In case of MOOCs by nptel Swayam, along with IIT expert resource faculty, Institute's internal faculty also can train the students, based on the learning capabilities of students, in parallel.
- Regarding the Mandatory Courses(MC), the External members satisfied with the conformance.
  - When the External members inquired about the sources of Internship, Principal Dr.Y.M. Reddy and Dr.A. Kalavathi replied, by stating MoUs of VVIT with industry MNCs and about Internshala, the popular online internship resource.
  - Prof. M. Krishna Prasad, also suggested the board, to follow BOLT programme by Govt of Maharashtra and APSSDC programmes often floated, which are also worthy.

Resolution 8.2:

- The Heads of CSE and IT assured to make the changes and include the suggestions made by the external members.
- The proposed R20 Course Structures of CSE, IT are in conformance with that of AICTE, APSCHE and JNTUK's recent 2021 guidelines, in the credit break up and layout.

Item 8.3: Review of R20 II Year Detailed Syllabus

Dr.R. Eswariah and Dr.A. Kalavathi, presented the detailed syllabi for R20 second year of study.

The external members made following suggestions after enough discussion.

- The proposed R20 syllabi of II year B.Tech CSE and II year B.Tech IT are compared and scrutinized to prove that the necessary typical ingredients that contrast IT and CSE are maintained.

- The external suggested that the Number of Lecture Hours proposed for each Course must be in line with that of Academic Calendar and available weeks of instruction against the proposed lecture hours per week.
- A detailed list of WEB-RESOURCES along with links are to be included in references of each Course, as suggested by the External Members.
- The external members expressed their satisfaction over the inclusion of COs, POs and CO-PO mapping and Justification for each course.
  - The external members felt that the Topic Level Objectives and Outcomes shall also be included in the detailed syllabus of each course.
- Prof. M. Krishna Prasad, advised that, in Programming Courses, like Python or Java, the GUI design part shall be included without omission, considering its importance.
  - Dr. Kalavathi replied that in IT, in II-I Skill Oriented Course WEB DESIGNING, the concepts of Django are included.
  - Dr Eswaraiah, said they added Swings instead of AWT.
- Dr. MHM Krishna Prasad, stated that, an update of 10-20 percent shall be made in Practical course experiments, emphasizing the importance of Autonomous Curriculum.
  - Dr. Eswaraiah and Dr. Kalavathi replied that, in all possible practical courses, they made the update of experiments to the allowed potions.
- Prof. M. Rajya Lakshmi, advised that, Practical Courses without concerned theory can be adjusted, such that at least ONE TUTORIAL session shall be added, which leads to a Credit change of 1.5 instead of 1.
  - She advised UML Lab to be placed in II-2 instead of II-1, to have the prerequisite course SE to be covered.
  - Dr Kalavathi, assured to make the change for UML Lab course and further Credit balance.

Resolution 8.3:

- The Heads of CSE and IT assured to make the changes and include the suggestions made by the external members.
- A refinement in CO statements are to be done.
- A detailed list of WEB-RESOURCES along with links are to be included in references of each Course.
- The proposed R20 B.Tech II Year detailed syllabi of CSE, IT are approved with minor changes

Item 8.4: Review of R19 III Year Detailed Syllabus

Dr.R. Eswariah, presented the detailed syllabi for R19 Third year of study.

The external members made following suggestions after enough discussion.

- The proposed R19 syllabi of III year B.Tech CSE and III year B.Tech IT are compared and scrutinized to prove that the necessary typical ingredients that contrast IT and CSE are maintained.
- Dr Kalavathi, requested external members to suggest their inputs in regard of AI Lab, they asked a copy of detailed lab for later revision and suggestions.
- Proposed Pools of Professional Electives(PE) streams offered by CSE and IT departments are appreciated by the External Members.
  - Prof Sanjay Gandhi, suggested the board to add User Interface/User Experience (UI/UX) course to the pools, as it's a potential and job-winning one.

- CSE-BoS-External, University member, Prof. MHM Krishna Prasad, emphasized that, the clause to include at least one MOOCs has been rightly utilized in the R19 curriculum.
- He also advised that, keeping the MOOCs slots open for the students, to choose, based on the contemporary courses run by the nptel Swayam, by their III and IV year of study.
- Dr. MHM Krishna Prasad, emphasized that Institute must follow, MOOCs guidelines also, while offering them to students.
- He also informed, nptel SWAYAM courses credits are more directly authorized by AICTE, APSCHE and JNTUK, over the others like Coursera, Udemy etc.
- He also stated, while enrolling any student to the nptel courses, HoDs must approve ONLY RE-RUN Courses, such that even in the case, if the candidate FAILS, it can be attempted again in later semesters.
- He also suggested, the HoDs to encourage students such that they take up and complete MOOCs course in III-I or III-II itself, so that the candidate can focus on Training in the III-II semester.
- He reminded that the intention of these MOOCs is to encourage the SELF-LEARNING component of students.
- In case of MOOCs by nptel Swayam, along with IIT expert resource faculty, Institute's internal faculty also can train the students, based on the learning capabilities of students, in parallel.

- The external members expressed their satisfaction over the inclusion of COs, POs and CO-PO mapping and Justification for each course.
  - The external members felt that the Topic Level Objectives and Outcomes shall also be included in the detailed syllabus of each course.

Resolution 8.4:

- The proposed R19 B.Tech III Year detailed syllabi of CSE, IT are approved by the Board.
- The MOOCs courses list and Guidelines for the completion of MOOCs course shall be added in the Annexure-A.
- A detailed list of WEB-RESOURCES along with links are to be included in references of each Course.

Item 8.5: Regarding Minor and Honours Degree

The chairmen of CSE, IT informed that Minor is offered for R19 students and both Minor and Honours will be offered from R20 regulation onwards, after careful wait-watch strategy. The Committee appreciated the stand.

Dr.R. Eswariah presented the pool of Courses offered by CSE department to the Civil, Mechanical and EEE, ECE branch R19 students for MINORs degree. He informed that for R19 the CSE department is NOT offering Honours degree.

Dr. Eswariah, informed that each Course is associated with a Practical Counterpart, to make it more strongly achievable by the students.

Dr.A. Kalavathi, informed the Board that IT branch is NOT offering Minor or Honours degree for now.

The external members after a scrutiny and discussion on the Courses, suggested as below.

- Prof. M. Krishna Prasad, expressed that the Courses offered shall be learnable by the receiving branch students.
  - o Dr Eswariah, replied they will re-check the list and make it as suggested.
- Prof. MHM Krishna Prasad, opined that, if each Course is packed with a Lab, it becomes tough to achieve by the student of NON-CSE branches.
  - o Principal Dr. Y.M. Reddy replied, the Minor Degree will be opted only by the Meritorious students.
- Prof. MHM Krishna Prasad questioned that the 4 Credits offered for each Course shall also explicitly mention the EVALUATION PATTERN AND POLCIES.
  - o Principal Dr. Y.M. Reddy assured, appropriate evaluation strategies with strong rubrics will be designed and submitted in next meeting.
  - o Dr Eswariah added that if a student fails in a Course, he will NOT be entitled to get the Minor Degree as per the AICTE, APSCHE and JNTUK guide lines. A strict adherence to that norm is followed.
- Prof. M. Rajya Lakshmi advised that, for IT R19 and R20 students also, Minor and Honours Degree shall be offered, in order NOT to disappoint the creamy students.

Resolution 8.5:

- The Minor and Honours degrees offered by CSE department are approved by the external members and asked the Board, to submit, and a detailed list of Courses along with syllabus, Evaluation pattern and enrolment plans for reference.

Item 8.6: Proposing guidelines to be adopted in implementing the program.

The Chairmen of BoS, CSE and IT, assured the committee that all traditional to innovative pedagogies in Teaching-Learning will optimally followed in the implementation of programs.

The guidelines to be adopted in implementing the programs were assured to be in line with APSCHE, JNTUK and VVIT Autonomous regulations.

The Course delivery for R20 was proposed to be a hybrid mode for effective teaching learning.

Resolution 8.6:

The committee unanimously resolved to choose apt methods based on the abilities of students by utilizing all the innovative T&L methodologies as advised and stipulated by Higher Learning Academic authorities like AICTE, APSCHE and JNTUK.

Item 8.7: Discussing the internal & external evaluation pattern

The Chairmen of BoS, CSE and IT, assured that the Internal & external evaluation pattern will be as per the VVIT Autonomous Examination Manual, which strictly abides by the JNTUK approved norms.

Resolution 8.7:

The committee unanimously resolved to choose apt methods based on the abilities of students by utilizing all the innovative T&L methodologies as advised and stipulated by Higher Learning Academic authorities like AICTE, APSCHE and JNTUK.

Item 8.8: Any other with the permission of Head of Institution

As no other points rose by the members, the meeting ended with concluding remarks and read-out of excerpts by the Chairmen BoS of IT and CSE.

Members attended:

File attached (meetingAttendanceReportGeneral.csv)

Video-Link (for archival):
https://vvitguntur.sharepoint.com/sites/CSEITBOS/Shared%20Documents/General/Recordings/CSE%20and%20IT%20External%20BoS%20Meeting-20210524_141756-Meeting%20Recording.mp4?web=1

Email – circulation to:

Staff Members, Department of CSE

Staff Members, Department of IT

ANNEXURE-A

1. For R19 at least ONE Course shall be done in the mode of MOOCs during III year II Sem to IV year II Sem.
2. For R20 at least TWO courses shall be done in the mode MOOCs during the II year II semester to IV year I Sem.
3. Students can opt for any MOOCs course from the pool of Courses of 12 weeks' duration, as prepared by the BoS at the beginning of the semester.
4. List of organizations offering MOOCs Course(s), will be announced by the respected BoS, at the time of commencement of the class work of II-II in case of R20 and III-II in case of R19.
5. Upon the successful completion of Course(s) the student has to submit the Certificate(s), before the last Instruction day of IV Year II Sem, **otherwise, his/her end-semester examination certificate will NOT be issued.**