CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)
DEPARTMENT OF INFORMATION TECHNOLOGY

Date: 07-05-2024

<u>**Minutes of the thirteenth Board of Studies (Information Technology) meeting held online on 07-05-2024 through Webex Meet from 10:30AM onwards:**</u>

Members present:

1. Prof. O.B.V. Ramanaiah, Professor, CSE, Dept. of CSE, JNTUH(A), Hyderabad
2. Dr. Suresh Kumar Lokhande, Professor, CSE Dept., UCE, O.U, Hyderabad.
3. Dr. Raghavendra Kune, Scientist 'SG', Head, High Performance Computing and Drones, ADRIN, ISRO, Hyderabad
4. BalaPrasad Peddigari, Chief Innovation Officer and Global Head – Technology Advisory Services, TCS, Hyderabad
5. Swetha Bodhankar, Cloud solution architect, Microsoft Pvt Ltd.,USA
6. Manasa Inampudi, Senior Solutions Consultant, Google, Hyderabad
7. Prof. Rajanikanth Aluvalu, Professor, IT Dept., CBIT, Hyderabad.
8. Prof. P. Suresh, Professor, IT Dept., CBIT, Hyderabad.
9. Prof. K Ramakrishna, Professor, IT Dept., CBIT, Hyderabad.
10. Dr. M. Venugopala Chari, Professor, IT Dept., CBIT, Hyderabad.
11. Dr R M Krishna Sureddi, Assoc Professor, IT Dept., CBIT, Hyderabad.
12. Dr. B.Veera Jyothi, Assoc Professor, IT Dept., CBIT, Hyderabad
13. Dr T. Satyanarayana Murthy, Assoc Professor, IT Dept., CBIT, Hyderabad.
14. Dr. N. Sudhakar Yadav, Assoc Professor, IT Dept., CBIT, Hyderabad.
15. Dr. Ramu Kuchipudi, Assoc Professor, IT Dept., CBIT, Hyderabad.
16. Dr. K. Sugamya, Assistant Professor, IT Dept., CBIT, Hyderabad.
17. Dr. A. Sirisha, Assistant Professor, IT Dept., CBIT, Hyderabad.
18. Dr. T. Prathima, Assistant Professor, IT Dept., CBIT, Hyderabad.
19. Dr. S. Rakesh, Assistant Professor, IT Dept., CBIT, Hyderabad.
20. Dr. Swathi Sowmya, Assistant Professor, IT Dept., CBIT, Hyderabad.

Agenda of the meeting:
1. Confirmation of the minutes of the twelfth BoS.
2. Approval of revisions in R22 Scheme of B.E(IT) program.
3. Approval of syllabus for V to VIII Semesters of B.E. (IT) program as per R-22 Regulation.
4. Approval of I to VIII semester Scheme and Syllabus of R-22(A).
5. Approval of amendments to R22 Regulations
6. Approval Open Electives offered to other departments
7. Approval of Value added courses.

8. Award of Honours Degree for the 2023 passed out graduates Mr. SKM Aqueel (160119737151) and Ms. Keerthi Aluvala (160119737134)
9. Any other item with the permission of the chair

Dr.A Rajanikanth, Chairperson, Board of Studies (IT) acknowledged the valuable contribution of earlier BoS members in compiling the BE Syllabus for R22, welcomed all the present BoS members of the Board and conducted the proceedings.

Agenda for the 13th BoS meeting was announced by HoD, IT.

Item 1: Confirmation of the minutes of the twelfth BoS
BoS members have confirmed the 12th BoS meeting minutes.

Item 2: Approval of revisions in R22 Scheme of B.E(IT) program.
Following revisions of R22 syllabus has been approved by the BoS members as R22(A)
a. 1st Sem – Change of subject Problem Solving and Programming using python to Problem Solving and Programming using C.
b. 2nd Sem- Removal of OOPs through python from 2nd semester and moving Data Structures using C++ from 3rd Sem to 2nd Sem.
c. Introducing Data Analysis and Visualization (which was an elective course in IV Sem of R22) as Core course along with lab in 3rd Sem in place of Data structures.
d. Removal of IT workshop from III sem.

Item 3: Approval of syllabus for V to VIII Semesters of B.E. (IT) program as per R22 Regulation
Presentation of subject wise R22 syllabus from **V to VIII semester** took place.
a. Dr P Ramesh Babu has presented the syllabus for Computer Networks.
   i)   As there is no Computer Networks Lab in the scheme, the experts Dr Suresh Lokhande, Prof. Ramanaiah and Dr Raghavendra, have recommended to incorporate socket programming as an experiment in the enterprise application development lab in order to give practical exposure of CN to the students.
   ii) Further Dr Suresh Lokhande have suggested ensuring the equal distribution of concepts in UNIT-1.
   iii) Dr Suresh Lokhande suggested including the networking concepts like subnet, supernet, IPv4 and IPv6 in UNIT-3.
   iv) Dr Raghavendra suggested incorporating case studies on advanced networking technologies in UNIT-5.

b. Ms. Swetha Bodhankar has appreciated the inclusion of Winter Upskilling program in the IV and VI semesters for the students of 3rd and 5th semesters.

c. Mr K Gangadhar Rao has presented the syllabus for Enterprise Application Development (Theory & Lab)
   i) Dr Raghavendra suggested incorporating an experiment based on WebJS using the Map component.
   ii) Dr Suresh Lokhande suggested to include web-based socket programming as an experiment here.

d. Embedded Systems & IOT syllabus presented by Dr Sugamya Katta , Formal Languages & Automata Theory syllabus presented by Dr A Sirisha and Service Oriented Architecture syllabus presented by Prof Rajanikanth Aluvalu were accepted by the BoS members.

e. Software Project Management syllabus presented by Dr B Veera Jyothi has been accepted by the BOS members.
   According to the suggestions received from Mr Bala Peddigari and Dr Raghavendra, The board has decided to make the subject a.2+1 credit course by including real time project management tools such as MS Project Management.

f. Cloud Computing syllabus was presented by Dr M Venugopalachary.
   i) Ms. Swetha Bodhankar suggested to include pillars of well architected framework such as security pillar, reliability pillar, etc.
   ii) Dr Raghavendra suggested making the subject a 2+1 credit course for facilitating the students in exploring the modern cloud platforms, as there is no Lab for this course.

g. Computer Network Lab syllabus was presented by Dr P Ramesh Babu.
   Dr Suresh Lokandhe and Dr Raghavendra suggested incorporating Linux Network Utilities in the lab.

h. Devops (Theory & Lab) syllabus presented by Dr T Satyanarayana Murthy.
   i) Mr Balapeddigari suggested incorporating an experiment with Kubernetes in the lab
   ii) Dr Raghavendra suggested to include edge computing as a concept in UNIT-5

i. Mobile Computing syllabus was presented by Dr P Ramesh Babu.
   i) Mr Balapeddigari suggested to include MANETs ,4G,5G and NTA concepts in the syllabus
   ii) Prof. Ramanaiah insisted upon the inclusion of wearable computing, smartcards, RFID in the syllabus.
j. Unmanned Aerial Vehicles(Theory) syllabus presented by Prof Rajanikanth Aluvalu, was accepted by the BoS members. Dr Raghav promised to support the department in compiling the syllabus for Unmanned Aerial Vehicles Lab

k. Business Intelligence syllabus presented by Dr Sudhakar Yadav was accepted by the BoS members.

Item-4: Approval of I to VIII semester Scheme and Syllabus of R22(A).
Syllabus for the following courses of R22(A) presented by Dr T Prathima have been approved by the BoS members
   i) Data Structures using C++
   ii) Data Structures using Python
   iii) Data Structures using C for EEE & ECE
        Prof OBV Ramaniah suggested to change the prescribed textbook for DS using C.
   iv) Competitive Coding

Item-5: Approval of amendments to R22 Regulations
The following amendments to R22 were approved by the BoS members.
   i) Inclusion of Winter Upskilling program in the IV and VI semesters each for a credit of 0.5.
   ii) Reducing the credits of Community Engagement and Robotics& Drones Lab in II sem each by 0.5 credit , to include Competitive coding practices in the V Sem curriculum.
   iii) Replacing Internship-3 in VII Sem with Design Thinking course in III sem.

Item-6: Approval of Open Electives offered to other departments.
All the three Open Electives i.e Object Oriented Programming using JAVA
Object Oriented Programming through C++, Introduction to Cloud Computing offered to other branches were approved by BoS members.
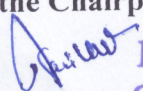
Item-7: Approval of Value added courses.
The BoS members approved the Value added courses Python Packages, Introduction to Microprocessors and Interfacing.

Item-8: Award of Honours Degree for the 2023 passed out graduates
Mr. SKM Aqueel (160119737151) and Ms. Keerthi Aluvala (160119737134)
The BoS members have approved the Award of Honors degree to the above-mentioned students as they have secured additional credits of 22 and 23 each , to meet the minimum requirement of 20 credits for the Award of Honors degree.

The BoS (IT) meeting is concluded with a vote of thanks by the Chairperson.

Head Dept. of IT
CBIT, Hyderabad

Dr. Rajanikanth Aluvala
Chairperson, BoS (IT)
Head, IT Dept., CBIT (A)