No.CBIT/MoM-AC/13/24   Date: 09.07.2024

Minutes of the 13th Academic Council meeting of Chaitanya Bharathi Institute of Technology, Hyderabad held on 02.07.2024 at 10.30 AM in Conference Hall

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Members Present:
1. Prof. C. V. Narasimhulu, The Principal (Chairman)
2. Mr. Prashanth Parsam, Director-Projects, Cognizant.
3. Dr. Sarala, Scientist-F, RCI, DRDO
4. Mr. Seetaram Veladi, Project Director, LTI Mindtree.
5. Prof. N.Venkata Reddy, Dept. Of Mechanical Engineering, IIT, Hyderabad.
6. Prof. M.Kumar, Dean, Faculty of Engineering, OU.
7. Prof. K.Shyamala, Dean, Faculty of Informatics, OU.
8. Prof. Ch.Sailu, Dean, Faculty of Technology, OU.
9. Dr. Ramesh Datla, Executive Chairman, Elico Group.
10. Dr. P.Suresh, Professor in IT, Director-AEC
11. Dr. P.Venkata Prasad, Professor in EEE, COE
12. Dr. P. Ravinder Reddy, Director-R&E Hub
13. Dr. Y.Rajasri, Professor in Bio-technology
14. Head, Department: Artificial Intelligence and Data Science (AI&DS)
15. Head, Department: Biotechnology
16. Head, Department: Chemical Engineering
17. Head, Department: Civil Engineering
18. Head, Department: Computer Science & Engineering (CSE)
19. Head, Department: Computer Science & Engineering (CET)
20. Head, Department: Computer Science & Engineering (CSE-AIML)
21. Head, Department: Electrical & Electronics Engineering (EEE)
22. Head, Department: Electronics & Comm. Engineering (ECE)
23. Head, Department: Electronics Engineering (VLSI Design and Technology)
24. Head, Department: Information Technology (IT)
25. Head, Department: Mechanical Engineering
26. Head, Department: MCA
27. Head, Department: MBA
28. Head, Department: Mathematics
29. Head, Department: Physics
30. Head, Department: Chemistry
31. Head, Department: English
32. Prof. M.Sushanth Babu- Director Academics & Convenor-Academic Council.

Opening Remarks	:	Prof.C.V.Narasimhulu, Principal, CBIT (A) greeted all the Members of the 13th Academic Council meeting and requested all the members to introduce them self to the committee. The Principal advised the Director Academics to preside over the meeting.
Item No:1	:	**Confirmation of the 12th Academic Council Minutes.**
Minutes	:	Minutes of the 12th Academic Council held on 12-06-2023 were presented by the Director Academics and the same were confirmed by the council members.
Item No:2	:	**To approve the minutes of Common BOS meetings.**
Minutes	:	The Director of Academics presented the minutes of the Common BOS meetings which was held on 16-05-2024. He further outlines about: • Grouping of the Departments. • Curriculum components of R-22 and R-22 A. • Proposed R-22A amendments in Academic rules. • Course load Balancing. • List of revised courses of R-22. • Inter-disciplinary laboratories . • Upskill Certification courses and Course Code. • Department Mapping. The members approved the same. Encl: **Annexure-I (Common BOS Minutes)**
Item No: 3	:	**To approve the BOS minutes of the B.E./B.Tech. Programs.**
Minutes	:	The Heads of the Department of B.E./B.Tech. CIVIL, Mechanical, EEE, ECE, EE (VLSI Deign and Technology),Chemical Engineering, Biotechnology CSE, CSE (AIML), IT, AI&DS, CET and MBA presented their minutes of the BOS meeting. Each Head accentuated about the new BOS compositions and the subject experts from IITs, NITs, and from the industries. The Members of the Academic Council approved the BOS minutes of all the Departments and suggested to incorporate the modifications suggested by the BOS members.
Item No: 4	:	**To approve the B.E./B.Tech III & IV Year Schemes and Syllabus for R-22 Regulations.**
Minutes	:	The Director of Academics appraised the committee that, in the 11th Academic Council meeting the B.E./B.Tech. I to IV semester scheme and syllabus were approved. He further brought to the notice of the Academic Council that, the Internship-III for 03 Credits is replaced with Mini Project in the Vi semester for

		02 Credits and Upskill Certification Course-I for 0.5 Credits in II Year and Upskill Certification Course-II for 0.5 Credits in the III Year. Director of Academics requested the HODs of B.E./B.Tech programs to present the Scheme and Syllabus of V to VIII semesters in the R-22 regulations. The Heads of the Department of B.E./B.Tech. CIVIL, Mechanical, EEE,ECE, EE (VLSI Deign and Technology),Chemical Engineering, Biotechnology CSE, CSE (AIML), IT, AI&DS, CET and MBA presented B.E./B.Tech V to VIII semester schemes of R-22 their minutes of the BOS meeting. The council members commended the HODs and their faculty for aligning the R-22 Scheme and Syllabus with industry and employability requirements. The council members approved the revisions in the B.E./B.Tech. scheme, syllabus, and the list of open electives offered by all programs under the R-22 regulation.
Item No: 5	:	To approve the B.E./B.Tech. Academic Rules for R-22 Amendment (R-22A) Regulations.
Minutes	:	The Director of Academics presented about the amendments brought in the R-22 regulations and clarified the Council members that, R-22A Regulations will be applicable to the students who are admitted in the A.Y. 2024-25. The following amendments are proposed for approval: **I. Changes in the CIE Assessments (40 Marks):** The Table 5.1 depicts the proposed changes in assessments in R-22A Regulations.

Table 5.1: Changes in the Assessment of CIE

Assessment Tools	No.of tests	Description	Max. Marks	Assessment Tools	No.of tests	Description	Max. Marks
		Earlier Rubrics (R-22)				**Proposed Rubrics (R-22 (A))**	
Class Tests	2	Average of two tests, each of 20 Marks	20	Class Tests	2	Average of two tests, each of 20 Marks	20
Assignments	2	Average of two assignments, each of 10 Marks	10	Case studies	1	-	15
Slip Tests	3	Average of best two slip tests	5		NA		
Attendance	5	5 Marks >=85%; 4 Marks >=80%; 3 Marks >=75%; 2 Marks >=70%; 1 Mark >=65%;	5	Attendance	5	5 Marks >=85%; 4 Marks >=80%; 3 Marks >=75%; 2 Marks >=70%; 1 Mark >=65%;	5

The Case studies can be:

- Problem Solving Exercises
- Design Challenges
- Algorithm Development & Coding
- Simulation Exercises
- Report Writing & Poster Presentation

- Peer Review and Collaboration with debate, but not limited to the listed above.

The Course Expert group should formulate the case studies prior to the semester they should obtain approval from the concern HOD and Director of Academics.

REMARKS/SUGGESTIONS:
- For the A.Y. 2024-25, the Members of the Academic Council suggested to make 01 Case Study Assessment Tool instead of 02 for each course of III and IV Year in place of 02 Assignments and 3 Slip tests.
- In the A.Y. 2024-25, for I and II Year students, CIE includes 02 class tests (average of 02 tests = 20 Marks), 02 Assignments (average of 02 assignments = 10 Marks), 3 slip test (average of best 02 slip tests = 05 Marks) and 5 Marks for attendance (refer table 5.1).
- Standard Operating Procedure (SOP) should be prepared and awareness should be provided to the faculty and students who are joining under UG B.E./B.Tech. programs from the A.Y.2024-25.

II. Changes in the number of Internships:

The Director of Academics appraised that, similar to the revisions in the R-22 Regulations, in R-22 A the number of Internships are reduced from 03 to 02. The Internship-III of 03 credits is replaced with Mini Project for 02 Credits (CIE-50) and Upskill Certification Course-I & II each with 0.5 Credits and CIE for 25 Marks.

Table 5.2: Amendments in the Internships of R-22A regulation:

Old R-22 Regulation		Credits	Revised R-22 & Proposed R-22 (A) Regulation		Credits
Internship I (After II Sem, assessment in III Sem)- 90 Hrs	MOOCS/ Inter or Intra-Institutional Training or Internship	02	Internship I (After II Sem, assessment in III Sem)- 90 Hrs	MOOCS/ Inter or Intra-Institutional Training or Internship	02
Internship-II (After IV Sem, assessment in V Sem)- 90 Hrs	Industrial Internship /Rural Internship/Academic Internship	02	Internship-II (After IV Sem, assessment in V Sem)- 90 Hrs	Industrial Internship /Rural Internship/ Academic Internship/ Research Internship	02
Internship-III (After VI Sem, assessment in VII Sem)- 135 Hrs	Industrial Internship	03	Mini Project	In-campus	CIE-50 Marks	02
			Up-Skill Certification Course -I & II	Approved Courses	CIE-25 Marks	01

For R-22 and R-22A regulations, in Internship-II the Members advised to consider Academic Internship in addition to the Industrial/Rural Internships. Under Academic Internships, students can pursue the Internships in IISC, IITs, NITs, Central Universities, Reputed Institutions and Research Laboratories.

The students can pursue research Internship under Sponsored/Consultancy Research Projects in the CBIT.

III. Plagiarism of BE/B.Tech/ME/M.Tech desertion:

The Director of the Academic appraised the Academic Council that, for R-22, R-22A of B.E/B.Tech Programs and R-23 regulations of MBA and MCA the Plagiarism percentages for the Project dissertations.

Program	Proposed plagiarism %
BE/B.Tech	20%
ME/M.Tech	15%
MCA/MBA	15%

Academic Council members suggested to exclude Reference section in the dissertation while verifying the Plagiarism. The Members approved the same.

IV. Outcome of BE/B.Tech, ME/M.Tech projects:

Publications/PATENT filing by UG and PG students from their project works are a testament to the high academic standards and research culture fostered within the institution.

10 Marks out of 200 Marks are allocated for the Publication in R-22 and R-22 A regulations. Table 5.3 depicts the proposed rubric for 10 Marks for the outcome of the academic project:

Table 5.3: Rubrics for the 10 Marks in Major Project

S No	Stature of Publication	Marks (10 Marks)
1.	If published in Scopus indexed Journal	10
2.	If published in Scopus Indexed conferences	10
3.	If filed as PATENT	10
4.	If innovative Product developed and participated in Internal Hackathons	09
5.	If published in reputed Journals/Conferences (Not Indexed)	08

The UG project supervisor should be the corresponding author and the concerned faculty will hold the complete responsibility for the Publication.

It is resolved that, the M.E./M.Tech. students will be eligible to register for VIVA-VOCE only after filing a PATENT/ publishing in SCOPUS indexed paper.

The Members approved the same.
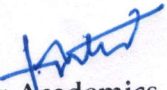
Item No: 6	:	To approve the Scheme and Syllabus of B.E./B.Tech programs under (R-22A).

Minutes	The Heads of the Department of B.E./B.Tech. CIVIL, Mechanical, EEE, ECE, EE (VLSI Deign and Technology), Chemical Engineering, Biotechnology CSE, CSE (AIML), IT, AI&DS and CET presented the I to VIII semester Scheme and syllabus of R-22A regulations.

The members approved the BOS minutes of the all the B.E/B.Tech programs. The members approved the list of open electives offered by all programs in the R-22A regulation.

In R-22A regulations, the course codes are revised as:

Table 5.4: Example for Revision in course code under R-22A regulation

R-22	R-22A (Revision in Course Code)	Remarks
22CSC01	22CSC01N	Applicable only if Change in: • Syllabus • Credits • BOS • Title

The following R-22 courses are revised under R-22A:

S. No.	Course Code (R-22)	Course Name (R-22)	Course Code (R-22 A)	Course Name (R-22 A)	Offering Depart.	REmarks
1.	22CSC01	Problem Solving and Programming	22CSC40N	Problem Solving and Programming using Python	CSE	Designed with Python and C Programming Language
			22CSC01N	Problem Solving and Programming using C		
2.	22CSC02	Problem Solving and Programming Lab	22CSC41N	Problem Solving and Programming using Python Lab	CSE	Designed with Python and C Programming Language
			22CSC02N	Problem Solving and Programming using C Lab		
3.	22CSC03	Object Oriented Programming using JAVA	22ITO01N	Object Oriented Programming using JAVA	IT	Change in BOS
4.	22CSC04	Object Oriented Programming Lab using JAVA	22ITO02N	Object Oriented Programming Lab using JAVA	IT	Change in BOS
5.	22CSC05	C & Data Structures	22ITC20N	Data Structures using C++	IT	Change in the BOS Designed with C, C++ and Python
			22ITC22N	Data Structures using Python		
			22ITC24N	Data Structures using C		
6.	22CSC31	C & Data Structures Lab	22ITC21N	Data Structures using C++ Lab	IT	Change in the BOS Designed with C, C++ and Python
			22ITC23N	Data Structures using Python Lab		
			22ITC25N	Data Structures using C Lab		
7.	22CSC11	Data Base Management Systems	22CSC11N	Data Base Management Systems	CSE	Syllabus is revised
8.	22CSC33	Data Base Management Systems Lab	22CSC33N	Data Base Management Systems Lab	CSE	Syllabus is revised
9.	22MBC02	Community Engagement	22MBC02N	Community Engagement	SMS	Credit is changed from 1.5 to 1 Credit and syllabus is revised
10.	22MEC37	Robotics and Drones Lab	22MEC37N	Robotics and Drones Lab	MECH	Credit is changed from 3 to 2.5 Credit and syllabus is revised
11.	22EGC01	English	22EGC01N	English	English	Syllabus is revised
12.	22EGC02	English Lab	22EGC02N	English Lab	English	Syllabus is revised
13.	22MEC01	CAD & Drafting	22MEC01N	Engineering Graphics	MECH	Title is changed
14.	22MEC38	Digital Fabrication Lab	22MEC38N	Digital Fabrication Workshop	MECH	Title is changed

The members approved the same.

Item No: 7	**To ratify revised Almanacs and Upskill Certification Courses with 0.5 credit for A.Y. 2023-24.**
Minutes	Provision for Up-Skill certification courses into the curriculum will foster the continuous relevance and competitiveness of individuals. These

courses provide with an opportunity to acquire new technical skills and abreast of emerging technologies.

The Students will undergo Up-skill Certifications Courses as recommended by CDC in Winter Vacation.

Course Name: Up-Skill Certification Course
Course Code: 22 _ _ U01 & 22 _ _ U02 (_ _ Department Code)

- For R-20, Up-Skill Certification will be printed as additional certificates on the other side of CMM.
- For R-22, the students will acquire 0.5 Credit in II Year and O.5 Credit in III Year. The credit will be projected in the IV and VI semesters. This overall 01 credit will be within the 160 Credits of the UG programs.
- The members ratified the upskill certifications which were implemented in the III and V semester for the A.Y. 2023-24.
- The Director of Academics presented the revised Almanacs of AY. 2023-24 to ratify in the council meeting.

The members approved the implementation of Upskill certification courses and approved the revised AY 2023-24 Almanacs of B.E/B.Tech, MCA and MBA.

Item No: 8	:	**To approve the Almanacs of UG, M.Tech., MCA and MBA for the A.Y. 2024-25.**
Minutes	:	The Director of Academics presented Almanacs of the BE/B.Tech, ME/M.Tech, MCA and MBA for the AY. 2024-25. He emphasized that a 04 week of semester break (Winter Vacation) is provided to students to pursue their Upskill certification or Internships. The members approved the Almanacs of BE/B.Tech, ME/M.Tech, MCA and MBA for the AY. 2024-25.
Item No: 9	:	Discussion on eligibility to award Honors and Additional Minor Engineering Degree.
Minutes	:	The Director of Academics presented the proposal for the eligibility for the students to register for Honors Degree should be based on CGPA. The eligibility is based on BE./B.Tech- I Year CGPA. **CGPA required for Additional Minor Degree: 7.0** **CGPA required for Honors Degree: 7.5**

		The Director of Academics affirmed that, a student will be eligible to get Undergraduate degree with Honors or Additional Minor Engineering , if he/she completes an additional 18 credits as per the approved schemes of Honors or Additional Minor Engineering. These could be acquired through the MOOCS/SWAYAM-NPTEL.

The members approved the eligibility to award the Honors and Additional Minor Engineering Degree from the AY. 2024-25. |
| Item No: 10 | : | **Approval of BFSI Additional Minor Engineering Degree Curriculum.** |
| Minutes | : | Director of Academics informed the committee that, Principal Secretary Education, Government of Telangana has introduced BFSI Minor Degree program for the B.E/B.Tech students from the Ay 2024-25.

Dr. Saraswathi, MBA HOD Department will be the coordinator for the BFSI Minor degree program. The coordinator presented the BFSI proposal and the minutes of the BOS to the Academic Councl members.

The members noted the same and approved the BOS minutes of the SMS department. |
| Item No: 11 | : | **Any other item with the permission of the chair** |
| Minutes | : | **11.1.** Prof. M.Kumar, Dean, Faculty of Engineering, OU , Dr. Ramesh Datla, Executive Chairman, Elico Group, Mr. Prashanth Parsam, Director-Projects, Cognizant, Mr. Seetaram Veladi, Project Director, LTI Mindtree and Prof. N.Venkata Reddy, Dept. Of Mechanical Engineering, IIT, Hyderabad expressed their concern regarding the CIE weightage of 5 Marks for the attendance.

The Principal expressed that, CIE marks weightage for attendance has significant impact on the student regularity to the college and by directly or indirectly benefiting the Academics of the students. The Principal expressed that members suggestions will be considered to be implemented for the next Regulations.

11.2. Dr. Ramesh Datla, Executive Chairman, Elico Group, Mr. Prashanth Parsam, Director-Projects, Cognizant, Mr. Seetaram Veladi, Project Director, LTI Mindtree expressed that more importance has to be given to the Industrial Internships. Necessary measures should be taken in designing the curriculum, which facilitate the students to have practical exposure.

11.3. The members approved the Value-Added courses in all UG programs for R-22 and R-22A regulations. |

		11.4. Director AEC & COE briefed the members regarding the instant examinations for III & IV year students, who couldn't attend the SEE examinations due to placement internships or medical reasons. The members noted the same and approved to conduct instant examinations.
Conclusion Remarks	:	Prof. C. V. Narasimhulu, Principal and Chairman-Academic Council thanked all the external members for sparing their valuable time and providing precious suggestions.
Vote of Thanks	:	There being no other item for discussion, the meeting concluded with a vote of thanks by Prof.M.Sushanth Babu, Director-Academics.

Director-Academics
Convener-Academic Council

PRINCIPAL
Chairman-Academic Council