



Dt.05.07.2022

Minutes of the 11th Meeting of the Academic Council of Chaitanya Bharathi Institute of Technology (A), Hyderabad, held on 25.06.2022 at 10:30 AM through Hybrid Mode.

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Members Present :

1. Prof. P. Ravinder Reddy, Principal
2. Dr. Y. Sreenivasa Rao, Outstanding Scientist, Director, NSTL, Vizag
3. Prof. N. Venkat Reddy, Prof., Dept. of Mech. Engg., IITH.
4. Sri Jagadeesh Kuncham, Vice-President, Capgemini, Hyderabad
5. Prof. P.V. Sudha, Dean, Faculty of Informatics, OU
6. Prof. Kavitha Waghray, Dean, Faculty of Technology, OU
7. Prof. N. V. Koteswara Rao, Director-IQAC
8. Prof. K. Krishnaveni, Director-Academics
9. Prof. M. Swamy Das, Joint Director-Academics (Informatics)
10. Prof. G. Chandra Mohan Reddy, Dept. of Mech. Engg. & Intl. Acad. Council Mem.
11. Prof. D. Krishna Reddy, Head, Dept. of ECE
12. Prof. K. Jagannadha Rao, Head, Dept. of Civil Engg.
13. Prof. G. Suresh Babu, Head, Dept. of EEE
14. Prof. P. V. R. Ravindra Reddy, Head, Dept. of Mech. Engg.
15. Prof. Y. Rama Devi, Head, Dept. of CSE
16. Prof. K. Radhika, Head, Dept. of IT
17. Dr. P.V. Naga Prapurna, I/c-Head, Chem. Engg.
18. Prof. B. Sreenivasa Reddy, Head, Dept. of Physics
19. Prof. P. Raj Reddy, Head, Dept. of Mathematics
20. Prof. K. Laxmi, Head, Dept. of Chemistry
21. Dr. B. Indira, Head, Dept. of MCA
22. Dr. E. Jalaja, I/c-Head, SMS
23. Prof. P. Venkata Prasad, Controller of Examinations
24. Dr. C. Obula Reddy, Asst. Prof., Biotechnology
25. Dr. A. Supraja Reddy, Assoc. Prof., ECE
26. Dr. N. Vasantha Gowri, Asst. Prof., EEE

Leave of Absence:

1. Prof. N. Suresh Kumar, Dean, Faculty of Engineering, Osmania University
2. Mr. Vagish Dixit, Convenor, Education & Skills Panel, CII, Telangana, CEO,ALPLA
3. Sri B. Jaipal Reddy, MD, Apollo Computing Laboratories Pvt. Ltd., Hyderabad
4. Prof. Suresh Pabboju, Director-AEC &CoE, CBIT

The Director-Academics Prof. K. Krishnaveni welcomed all the members of CBIT Academic Council and requested the Principal to preside over the meeting.

Opening Remarks	Prof. P. Ravinder Reddy, Principal, CBIT(A), started the meeting with Opening remarks and initiated the proceedings of the 11 th meeting of the Academic Council.
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Item No. 1	: Confirmation of the Minutes of 10th meeting of Academic Council held on 03.06.2021								
Minutes	: Minutes of 10 th meeting of Academic Council held on 03.06.2021 were presented by the Principal and the same were confirmed.								
Item No. 2	<p>: To approve the Minutes of common of BoS meeting held on 21-05-2022, for Item No.1 of the respective meeting</p> <table border="1" data-bbox="475 584 1385 1570"> <tr> <td data-bbox="475 584 619 658">Item No. 1</td> <td data-bbox="619 584 1385 658">: Review of the Scheme for I & II Semesters of R-20 Regulations</td> </tr> <tr> <td data-bbox="475 658 619 1003">Minutes</td> <td data-bbox="619 658 1385 1003"> <p>: The Director-Academics prepared a proposal of Scheme for I&II Semesters of R-20 Regulations with slight changes. The said proposal was discussed and it is resolved to go ahead with that with the below-mentioned minor change.</p> <p>After thorough discussions, it is decided to make the following changes in the existing I and II semesters of the R-20 scheme which will be effective from the academic year 2022-23.</p> <ul style="list-style-type: none"> • To introduce one clock hour as a tutorial instead of a Mathematics lab for CSE, IT AI&DS, and AI&ML specializations. </td> </tr> <tr> <td data-bbox="475 1003 619 1234"></td> <td data-bbox="619 1003 1385 1234"> <ul style="list-style-type: none"> • To introduce BEE theory and lab to IT and AI&DS specializations. • To introduce Robotics and Drones lab with 3.5credits in place of the Engineering Exploration course. • To introduce a Digital Manufacturing lab, a 1.5creditcourse in place of a Workshop &Manufacturing practice. • It is also decided to allocate the three clock hours for Physics, Chemistry, and PPS lab courses instead of four hours. </td> </tr> <tr> <td data-bbox="475 1234 619 1570"></td> <td data-bbox="619 1234 1385 1570"> <p>The proposal was approved by the Common BoS.</p> <p>Principal informed the following.</p> <ol style="list-style-type: none"> a. Community Engagement shall be offered by individual departments. All the BoS can avail the services of ACIC & IIC activities, which will be organised under the supervision of the Director-I & I. b. Principal advised the I/c-Head, SMS to nominate two Co-ordinators from their department in this regard. c. The Scheme for Oops under Semester-I is 2-1-2 </td> </tr> </table>	Item No. 1	: Review of the Scheme for I & II Semesters of R-20 Regulations	Minutes	<p>: The Director-Academics prepared a proposal of Scheme for I&II Semesters of R-20 Regulations with slight changes. The said proposal was discussed and it is resolved to go ahead with that with the below-mentioned minor change.</p> <p>After thorough discussions, it is decided to make the following changes in the existing I and II semesters of the R-20 scheme which will be effective from the academic year 2022-23.</p> <ul style="list-style-type: none"> • To introduce one clock hour as a tutorial instead of a Mathematics lab for CSE, IT AI&DS, and AI&ML specializations. 		<ul style="list-style-type: none"> • To introduce BEE theory and lab to IT and AI&DS specializations. • To introduce Robotics and Drones lab with 3.5credits in place of the Engineering Exploration course. • To introduce a Digital Manufacturing lab, a 1.5creditcourse in place of a Workshop &Manufacturing practice. • It is also decided to allocate the three clock hours for Physics, Chemistry, and PPS lab courses instead of four hours. 		<p>The proposal was approved by the Common BoS.</p> <p>Principal informed the following.</p> <ol style="list-style-type: none"> a. Community Engagement shall be offered by individual departments. All the BoS can avail the services of ACIC & IIC activities, which will be organised under the supervision of the Director-I & I. b. Principal advised the I/c-Head, SMS to nominate two Co-ordinators from their department in this regard. c. The Scheme for Oops under Semester-I is 2-1-2
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Minutes	<p>: Principal presented the Minutes of Common Board of Studies meeting held on 21-05-2022, for item no.1 of the respective meeting. The principal elaborated about Digital Fabrication Laboratory and its importance.</p> <p>The Minutes of Common of BoS meeting for item no.1 were approved.</p>								

Item No. 3 : To approve the Minutes of Common Board of Studies meeting held on 08-06-2022, for Item Nos. 1,2,4,5 and 6 of the respective meeting.

Item No. 1	: Increase of Credit Transfer through MOOCs from 20% to 40%
Minutes	: The item was discussed and decided to increase the credit transfer through Swayam MOOCs(NPTEL) from 20% to 40%. All Heads of the Departments /BoS Chairpersons of the Departments are asked to provide a mapping of CBIT Curriculum with the NPTEL courses and share the information with the Director-AEC&COE and the Director-Academics so that necessary process can be initiated in this regard. All Heads of the Departments are also asked to nominate one co-ordinator to monitor the activity at the department level and also to co-ordinate with the SPOC-NPTEL, AEC, and Academics sections. All other rules with regard to the credit transfer through MOOCs written in R20 are remain the same.

Item No. 2 : Revision of Promotion Rules - R20 Regulations

Minutes : The item was thoroughly discussed and the following revised promotion rules/guidelines were approved by the Common BoS

S. No.	Semester	Conditions to be fulfilled
1.	From I-Semester to II-Semester	Regular course of study of I-Sem
2.	From II-Semester to III-Semester	a)Regular program of study of B.E./B.Tech II-Semester b) Must have earned at least 50% of credits (rounded to the next nearest integer) prescribed for B.E./B.Tech I-Semester and II-Semester.
3.	From III-Semester to IV-Semester	Regular course of study of III-Semester
4.	From IV-Semester to V-Semester	a) Regular program of study of B.E./B.Tech IV-Semester b) No. of backlog credits, if any of B.E. I, II, III and IV-Semester put together shall not exceed 50% (rounded to the next nearest integer) of the total number of credits prescribed for the B.E./B.Tech. III & IV-Semester
5.	From V-Semester to VI-Semester	Regular course of study of V-Semester.
6.	From VI-Semester to VII- Semester	a) Regular program of study of B.E./B.Tech VI-Semester b) No. of backlog credits, if any of B.E./B.Tech I to VI-Semester put together shall not exceed to 50% (rounded to the next nearest integer) of the total number of credits prescribed for the B.E./B.Tech. V & VI-Semester.
7.	From VII-Semester to VIII- Semester	Regular course study of VII Semester.
8.	To attend SEE of VIII Semester	Regular course study of VIII Semester.

These are applicable to the existing UG and PG students from the academic year 2022-23 and also batches joining from 2022-23 onwards.

Item No. 4 : Criteria for Pass Grade - CIE + SEE

Minutes : It is resolved to follow the below given criteria for Pass Grade - CIE+ SEE from the academic year 2022-23.

In theory subject, a candidate shall score
i) 40% marks in Semester End Exam and

		<p>ii) 40% of marks in Continuous Internal Evaluation and Semester End Exam (CIE+SEE) together, in a particular Subject, to be declared as 'PASS' in that subject.</p> <p>In Practical subject, a candidate shall score</p> <p>i) 50% marks in Semester End Exam and</p> <p>ii) 50% of marks in Continuous Internal Evaluation and Semester End Exam (CIE+SEE) together, in a particular Subject, to be declared as 'PASS' in that subject.</p>
	Item No. 5	: Award of Super - Numerary Credits for MOOCs in Transcripts
	Minutes	: The item was discussed thoroughly and decided to award / show the additional credits (i.e., which are not included in the CGPA calculation in case of major degree and also not counted for Honors / Minor Engineering degrees) earned by students through Swayam MOOCs (NPTEL) on the transcript as Super - Numerary credits.
	Item No. 6	: Any other item with the permission of the Chair
	Minutes	: Prof. M. Swami Das, Joint Director-Academics (Informatics), kept a proposal before the Committee to exempt the Internship-1 (2credit course in R20) for the lateral entry students as they have already undergone a six months course of 25 credits. The Committee accepted the proposal and decided to evaluate the lateral entry students for 117 credits instead of 119 credits (R20).
Minutes	:	Minutes of Common BoS Meeting held on 08-06-2022, for Item Nos.: 1,2,4,5 and 6 were approved with the following suggestions. Item.1: It is suggested by the Committee to introduce an orientation course on SWAYAM, MOOCS (NPTEL) courses. Minutes: It is decided to introduce the Orientation course. Item.5: Award of Super Numerary Credits for MOOCS in Transcripts. Minutes: It is resolved to provide transcripts for MOOCS Courses only when the number of Credits earned by students are either equal to or greater than 75% of the total of 20 Credits.
Item No. 4 (i)	:	To approve respective Department's "BoS Meeting Minutes" for : Modifications in the Scheme of I and II Semesters of all B.E / B.Tech. Programs
Minutes	:	Modifications in the Scheme of I and II Semesters of all B.E/B.Tech. Programs are approved with a suggestion to modify the titles of Practical Courses "Digital Fabrication Lab" and "Robotics & Drones Lab".
Item No. 4(ii)	:	To approve respective department "BoS meeting minutes" for : Syllabus for V to VIII Semesters of all the B.E/B.Tech. Programs :
(a)	:	To approve "Minutes of BoS Meeting" of B.E - Civil Engineering
Minutes	:	The Minutes of BoS Meeting of Civil Engineering Department were presented by the Head and the same were approved by the Council with

	<p>the following suggestions:</p> <ul style="list-style-type: none"> ➤ Topics on Composite structures and Multilevel composite structures may be included in the course "Composite Structures", with discussion in next BoS. ➤ Drone Surveying with IR may be included in the course "Surveying Lab "with discussion in next BoS.
(b)	: To approve "Minutes of BoS Meeting" for B.E - Computer Science & Engineering
Minutes	<p>The Minutes of BoS Meeting of Computer Science & Engineering Department for BE (CSE) were presented by the Head and the same were approved by the Council with the following suggestions:</p> <ul style="list-style-type: none"> ➤ To have a separate cloud server / Data Centre. ➤ Modify the Course titles of "Advanced Networks", "Full Stack Development", "Advanced Deep Learning". ➤ To include a suitable MOOCS course as a prerequisite for "Cognitive Neuroscience". ➤ "Operating Systems" Course has to be shifted to basic CSE Courses.
(c)	: To approve "BoS Meeting Minutes" for B.E - CSE (Artificial Intelligence and Machine Learning)
Minutes	<p>The Minutes of BoS Meeting of B.E-CSE (Artificial Intelligence and Machine Learning) were presented by the Head and were approved by the Council with the following suggestion:</p> <ul style="list-style-type: none"> ➤ The faculty has to be geared up to take up the advanced courses ➤ Industry experts may be invited for partial delivery of advanced courses
(d)	: To approve "BoS Meeting Minutes" for B.E - CSE (IOT & Cyber Security including Block Chain Technology)
Minutes	<p>The minutes of BoS Meeting of B.E - CSE (IOT & Cyber Security including Block Chain Technology) were presented by the Head and were approved by the Council with the following suggestion.</p> <ul style="list-style-type: none"> ➤ To include concepts of Sensor Signal Processing in the course "Sensors and Sensor Technology"
(e)	: To approve "BoS Meeting Minutes" for B.E - Artificial Intelligence and Machine Learning
Minutes	<p>The Minutes of BoS meeting of B.E - Artificial Intelligence and Machine Learning were presented by the Head and were approved by the Council with the following suggestion.</p> <ul style="list-style-type: none"> ➤ Name of the course "Inferences and Interpretation" may be modified.

(f)	: To approve "BoS Meeting Minutes" for B.E - Information Technology
Minutes	: The Minutes of BoS meeting of B.E - Information Technology Department were presented by the Head and the same were approved by the Council with the following suggestions: <ul style="list-style-type: none"> ➤ To consider modifying the names of the Courses "Advanced Security", "Full Stack Development", "Principles of Industry 4.0, etc. ➤ To re-orient the contents of Unit-I of the Course "Unmanned Aerial Vehicles" ➤ To include Startup skills in the Course "Employability Skills" ➤ To follow same code for same Course though the course is being offered as open elective.
(g)	: To approve "BoS Meeting Minutes" for B.E - Artificial Intelligence and Data Science
Minutes	: The Minutes of BoS meeting of B.E - Artificial Intelligence and Data Science, were presented by the Head and the same were approved by the Academic Council.
(h)	: To approve "BoS Meeting Minutes" for B.E - Electrical & Electronics Engineering
Minutes	: The Minutes of BoS meeting of B.E - EEE, were presented by the Head and the same were approved.
(i)	: To approve "BoS Meeting Minutes" for B.E - Electronics & Communication Engineering
Minutes	: The Minutes of BoS meeting of B.E - Electronics & Communication Engineering, were presented by the Head and were approved.
(j)	: To approve "BoS Meeting Minutes" for B.E - Mechanical Engineering
Minutes	: The Minutes of BoS meeting of B.E - Mechanical Engineering, were presented by the Head and were approved with the following suggestions: <ul style="list-style-type: none"> ➤ To check if Galarkin method is now being used. ➤ To check the statement on "infotainment industry" in page.3 of the MoM. ➤ In page.4 of MoM, replace the word "health monitoring" with "condition monitoring" or "structural health monitoring". ➤ In page.4 of MoM, replace the title "Mechanisms and Robot Kinematics" with "Mechanism and Kinematics of Robots". ➤ To introduce system level courses where integration is there.
(k)	: To approve "BoS Meeting Minutes" for B.Tech. (Chemical Engineering)

Minutes	:	The Minutes of BoS meeting of B.Tech. - Chemical Engineering, were presented by the I/c-Head and approved by the Council with the following suggestion. <ul style="list-style-type: none"> ➤ The title of the course "Fuel Cell Fundamentals" may be modified as "Fuel Cell Technology" ➤ To include the topic "Lithium Ion Batteries"
(I)	:	To approve "BoS Meeting Minutes" for B.Tech. - Biotechnology
Minutes	:	The Minutes of BoS meeting of B.Tech. – Biotechnology, were presented by the concerned and the same were approved by the Council with the following suggestion. <ul style="list-style-type: none"> ➤ To check the possibility of students working on "Predictive models" with the help of Genome sequencing.
Item No. 5	:	To approve Almanacs for : a) VII to VIII semesters of B.E/B.Tech. Programs for the Academic year 2022-23 b) V and VI semesters of B.E/B.Tech. Programs for the Academic year 2022-23 c) III and IV semesters of B.E/B.Tech. Programs for the Academic year 2022-23 d) III and IV semesters of MCA Program for the Academic year 2022-23 e) III and IV semesters of MBA Program for the Academic year 2022-23 f) III and IV semesters of M.E/M.Tech. Programs for the Academic year 2022-23 g) I and II Semesters of all B.E/B.Tech., M.E/M.Tech., MCA and MBA based on the guidelines of UGC, AICTE (delay in admissions due to COVID-19 Pandemic)
Minutes	:	The tentative Almanacs for the above said Programs presented by the Director-Academics were discussed and were approved by the Academic Council.
Item No. 6	:	Any other item with the permission of the Chair
a)	:	Seeking approval to include the courses suggested by AICTE-IRISET (1. Signal Engineering and 2. Automatic Train Protection Systems : Kavach) as open electives in V/VI Semester of B.E Program
Minutes	:	Director-Academics presented the curriculum of the said courses and requested for permission to process the same through BoS of EEE/ECE. The same is approved by the Academic Council.
b)	:	To approve the modified syllabus of Mathematical Foundation for Data Science & Security (Lab) and Stochastic Process and Queueing Theory (Lab)
Minutes	:	The modified syllabus is approved by the Council with the following suggestion:

		➤ To include certain use cases from CSE/AI in Stochastic Process and Queueing Theory (Lab)
C)	:	Introduction of new Minor Engineering Program in Advanced Web Development (AICTE-LITE) from the academic year 2022-23
Minutes	:	Head of the Department of CSE briefed about the introduction of new Minor Engineering Programme in Advanced Web Development (AICTE-LITE), from the Academic Year 2022-23 and sought for approval. The Academic Council approved the same.
Concluding Remarks	:	Prof. P. Ravinder Reddy, Principal & 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 vote of thanks by Prof. K. Krishnaveni, Director-Academics.

Prof. P. Ravinder Reddy
Principal &
Chairman - Academic Council

K. Krishnaveni

To
All the Members of Academic Council, for information.

Note: All the Academic Council members are requested to offer their comments, if any, within a week from the date of receipt of this communication. If no comments are received, the minutes will be taken as confirmed.