



Dt. 13.06.2023

Minutes of the 12th Meeting of the Academic Council, Chaitanya Bharathi Institute of Technology (A), Hyderabad, held on 12-06-2023 at 10:30 AM through blended mode.

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Members present:

1. Prof. P. Ravinder Reddy, Principal & Chairman, Academic Council
2. Sri Shekar Reddy, Chairman, CII, TS, Chairman, IGBC, & CMD, CSR Estates Ltd.
3. Prof. M. Kumar, Dean, Faculty of Engineering, Osmania University
4. Prof. P. V. Sudha, Dean, Faculty of Informatics, Osmania University
5. Prof. Kavitha Waghray, Dean (Rtd.), Faculty of Technology, Osmania University
6. Prof. G. Chandra Mohan Reddy, Principal, MGIT & Member, Academic Council
7. Prof. N. V. Koteswara Rao, Director-IQAC & Special Invitee
8. Prof. Suresh Pabboju, Director-AEC&CoE & Special Invitee
9. Prof. K. Krishnaveni, Director-Academics
10. Dr. N. L. N. Reddy, Advisor-CDC
11. Prof. M. Swamy Das, Jt. Director-Academics(Informatics) & Head, Dept. of CSE
12. Prof. Rajanikanth Aluvalu, Head, Dept. of IT
13. Prof. Sugandha Singh, Head, Dept. of AI&ML
14. Prof. M. Subramaniam, Head, Dept. of CET
15. Prof. K. Ramana, Head, Dept. of AI&DS
16. Prof. K. Jagannadha Rao, Head, Dept. of Civil Engg.
17. Prof. P. Prabhakar Reddy, Head, Dept. of Mech. Engg.
18. Prof. D. Krishna Reddy, Head, Dept. of ECE
19. Prof. M. Bala Subba Reddy, Head, Dept. of EEE
20. Prof. M. Mukunda Vani, Head, Dept. of Chemical Engg.
21. Prof. Ashoutosh Panday, Head, Dept. of Biotechnology
22. Prof. B. Sreenivasa Reddy, Head, Dept. of Physics
23. Dr. K. Ramesh, Head, Dept. of Chemistry
24. Dr. Shagufta Parween, Dept. of English
25. Dr. S. Saraswathi, Head, Dept. of SMS
26. Dr. A. Supraja Reddy, Assoc. Prof., ECE & Member, Academic Council
27. Dr. N. Vasantha Gowri, Assoc. Prof., EEE & Member, Academic Council
28. Dr. G. Narasimlu, Asst. Prof., Dept. of Mathematics
29. Dr. G. N. R. Prasad, Asst. Prof., Dept. of MCA

Leave of absence:

1. Prof. N. Venkat Reddy, Dept. of Mech. Engg., IITH.
2. Sri Kuncham Jagadish, Vice President, Capgemini, Hyderabad.
3. Sri B. Jaipal Reddy, MD, Apollo Computing Laboratories (P) Ltd., Hyderabad.
4. Dr. Y. Sreenivasa Rao, Outstanding Scientist, Director General, NSTL, Vizag.
5. Prof. P. V. Prasad, Controller of Examinations & Special Invitee.

Prof. P. Ravider Reddy, Principal and Chairman, has welcomed all the Members of the Academic Council and conducted the proceedings.

Item No. 1	:	Confirmation of the Minutes of the Eleventh (11th) Meeting of Academic Council held on 25.06.2022
Minutes	:	Minutes of the Eleventh (11 th) Meeting of Academic Council held on 25.06.2022 were presented by the Principal and the same were confirmed.
Item No. 2	:	To approve Item No.1 of the Minutes of the Common Board of Studies meeting held on 13.03.2023.
Minutes	:	Principal presented the Minutes of the Common Board of Studies meeting held on 13-03-2023 and approval sought for Item No.1 of the respective meeting, which is given below. "The new pattern for the R-22 SEE question paper is presented and the same is ratified". "If any student failed to acquire all the credits in the particular semester of that academic year, maybe due to malpractice or for any other reason, the semester that is having the lowest number of credits in that academic year must be considered while implementing the promotion/detention rules". The same was approved by the Academic Council.
Item No. 3	:	To approve the Item Nos. 1 and 2 of the minutes of the meeting held with the Directors of IQAC, AEC&CoE, Academics, Jt. Director-Academics, CoE, Head-SMS, and Professor G.Suresh Babu on 29-05-2023.
Minutes	:	Principal presented the Items No.s 1 and 2 of the Minutes of the said meeting held on 29-05-2023, and sought approval. "It is decided to allot one clock hour as a tutorial for the course titled 'UHV II-Understanding Harmony' and the assessment is based on CIE for 50 marks with 1 credit weightage". The same was approved by the members of the Academic Council

Item No. 4 (i)	: To approve respective department " BoS meeting minutes " for : <ul style="list-style-type: none"> i. Scheme for III to VIII Semesters and Syllabus for III and IV Semesters of all the B.E/B.Tech as per R-22 ii. Rules and Regulations for M.E/M.Tech programs as per R-23 iii. Scheme and Syllabus for I to IV Semesters of M.E/M.Tech programs as per R-23 iv. Rules and Regulations for MBA program as per R-23 v. Scheme and Syllabus for I to IV Semesters of MBA program as per R-23 vi. Rules and Regulations for MCA program as per R-23 vii. Scheme and Syllabus for I to IV Semesters of MCA program as per R-23
Minutes	: Director-Academics presented the Academic Rules as per Regulations-23 (R-23) for M.E/M.Tech, MBA & MCA Programs. The Academic Rules for M.E/M.Tech, MBA & MCA Programs as per Regulations-23 (R-23) are approved with the following suggestion. To form a Committee and reframe the rules / SoP regarding "40% Credit Transfer through NPTEL Courses" for avoiding any chances of legal issues arising in future. The Chairpersons, BoS of respective departments have presented the BoS Meeting Minutes (Item a to o) for : <ul style="list-style-type: none"> i). Scheme of III to VIII semester of B.E /B.Tech (R-22) ii). Syllabus of III and IV semesters of B.E /B.Tech (R-22) iii). Scheme and Syllabus of I to IV Semesters of M.E /M.Tech (R-23) iv) Scheme and Syllabus of I to IV Semesters of MBA (R-23) v). Scheme and Syllabus of I to IV Semesters of MCA (R-23) vi). Revised Syllabus of Mathematics courses (R-22) vii). Revised Syllabus of English courses (R-22)
(a)	: To approve "Minutes of BoS Meeting" of Computer Science & Engineering (CSE)
Minutes	: The Minutes of BoS Meeting of Computer Science & Engineering Department were presented by the Head, CSE and the same were approved by the Council with the following suggestions: <ul style="list-style-type: none"> ➤ To categorize the professional electives under streams/tracks.

		<ul style="list-style-type: none"> ➤ To train the faculty on the new courses introduced. ➤ To verify if the prerequisites for the newly introduced courses are met. ➤ To follow a standard format for list of Text books/Reference books.
(b)	:	To approve the "Minutes of BoS Meeting" of CSE (Artificial Intelligence & Machine Learning) and Artificial Intelligence & Machine Learning
Minutes	:	<p>The Minutes of the BoS Meeting of CSE (Artificial Intelligence & Machine Learning) and Artificial Intelligence & Machine Learning were approved by the Council with the following suggestions:</p> <ul style="list-style-type: none"> ➤ To ensure that these two programs offer a wide variety of courses that are different from courses offered in CSE such that the students gain expertise in Artificial Intelligence and Machine Learning. ➤ To include a course on "Natural Language Processing (NLP)", in V to VIII semesters. ➤ To make the number of COs uniform in all the courses. ➤ To include the CO-PO-PSO correlation matrices for all the courses. ➤ To modify the CO-PO-PSO correlation matrices such that the COs map to a good number of POs/PSOs. ➤ To follow a standard format for list of Text books / Reference books ➤ To include standard online resources.
(c)	:	To approve "Minutes of BoS Meeting" of Computer Engineering and Technology (CSE-CS, IoT & BCT)
Minutes	:	<p>The Minutes of BoS Meeting of Computer Engineering and Technology (CSE-CS, IoT & BCT) are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ To prepare the Training Need Analysis (TNA) and train the faculty on the latest courses introduced. ➤ To modify the title of the courses "Mathematical Foundation for Data Science and Security" and "AI Tools, Techniques and Applications", "Full Stack Development". ➤ To modify the CO-PO-PSO correlation matrices such that the COs map to a good number of POs/PSOs.
(d)	:	To approve "Minutes of BoS Meeting" of Information Technology
Minutes	:	The Minutes of BoS Meeting of Information Technology are approved.

(e)	:	To approve "Minutes of BoS Meeting" of AI&DS(Artificial Intelligence and Data Science)
Minutes	:	<p>The Minutes of BoS Meeting of AI&DS (Artificial Intelligence and Data Science) are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ The course "Micro Services with Spring Boot" may be made little broader and the course title shall be modified accordingly. ➤ Include concepts of "MLOps" in "DevOps" or in any other course. ➤ Modify the COs of "Cyber Physical Systems" course ➤ To follow a standard format for list of Text books/Reference books
(f)	:	To approve "Minutes of BoS Meeting" of Civil Engineering
Minutes	:	<p>The Minutes of BoS Meeting of Civil Engineering are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ "Design of Hydraulic Structures" may be verified. ➤ The title of the course "Rural Water Supply and Onsite Sanitation Systems" to be modified. ➤ To introduce courses on "Facility management", "PMC", "MEP", and "Building Services". ➤ To modify the CO-PO-PSO correlation matrices such that the COs map to a good number of POs/PSOs.
(g)	:	To approve "Minutes of BoS Meeting" of Mechanical Engineering
Minutes	:	<p>The Minutes of BoS Meeting of Mechanical Engineering are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ To ensure that the contents of the courses "Artificial Intelligence" and "Data Science" connect to Mechanical Engineering. ➤ To include a course on "Robotics with Computer Vision"
(h)	:	To approve "Minutes of BoS Meeting" of Electronics & Communication Engineering
Minutes	:	<p>The Minutes of BoS Meeting of Electronics & Communication Engineering are approved with the following suggestion:</p> <ul style="list-style-type: none"> ➤ To prepare SOP for "Industry Oriented Course"

(i)	:	To approve "Minutes of BoS Meeting" of Electrical & Electronics Engineering
Minutes	:	<p>The Minutes of BoS Meeting of Electrical & Electronics Engineering are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ To modify the Course title of "Machine Learning" ➤ To categorize the professional electives under streams/tracks. ➤ To keep some upper cap for the number of Professional Electives instead of giving an exhaustive list.
(j)	:	To approve "Minutes of BoS Meeting" of Chemical Engineering
Minutes	:	<p>The Minutes of BoS Meeting of Chemical Engineering are approved with the following suggestion:</p> <ul style="list-style-type: none"> ➤ To include courses on "Deep Learning" and "Computer Vision" with applications in Chemical Engineering.
(k)	:	To approve "Minutes of BoS Meeting" of Biotechnology
Minutes	:	<p>The Minutes of BoS Meeting of Biotechnology are approved with the following suggestion:</p> <ul style="list-style-type: none"> ➤ To include courses on "Deep Learning with applications in Biotechnology.
(l)	:	To approve "Minutes of BoS Meeting" of Mathematics Department.
Minutes	:	The Minutes of BoS Meeting of the Mathematics Department are approved.
(m)	:	To approve "Minutes of BoS Meeting" of English Department.
Minutes		The Minutes of BoS Meeting of English Department are approved.
(n)	:	To approve "Minutes of BoS Meeting" of MBA Program.
Minutes		<p>The Minutes of BoS Meeting of MBA Program are approved with the following suggestions:</p> <ul style="list-style-type: none"> ➤ The contents of the Course "Research Methodology and Statistical Analysis" may be modified to include more research methodology concepts.

(o)	:	To approve "Minutes of BoS Meeting" of MCA Program.
Minutes	:	<p>The Minutes of BoS Meeting of MCA Program are approved with the following suggestion:</p> <ul style="list-style-type: none"> ➤ The titles of the courses "Data Structures" and "Case Study using UML Lab" may be modified.
Item No. 5	:	<p>To approve Almanacs for the Academic Year 2023-24</p> <ol style="list-style-type: none"> i. VII and VIII Semesters of B.E/B.Tech programs ii. III to VI Semesters of B.E/B.Tech Programs iii. III and IV Semesters of M.E/M.Tech Programs iv. III and IV Semesters of MBA Program v. III and IV Semesters of MCA Program vi. I and II Semesters of all B.E/B.Tech, Programs vii. I and II Semesters of M.E/M.Tech, MBA & MCA Programs(based on the guidelines of the State Government)
Minutes	:	<p>The proposed Almanacs for the above said Programs were presented by the Director-Academics and approved by the Academic Council with the following suggestion:</p> <ul style="list-style-type: none"> ➤ If required the number of weeks of class work for VII and VIII semesters may be reduced by making Saturday as working day.
Item No. 6	:	Any other item with the permission of the Chair
Minutes	:	<ul style="list-style-type: none"> ➤ Prof. M. Kumar, Dean, Faculty of Engineering, Osmania University, suggested considering the following points before any revision of the curriculum or syllabus. <ul style="list-style-type: none"> • To do the analysis of CO and PO attainment, identify the gaps and take necessary steps to fill the gaps, while preparing /revising the syllabus. • Placement data has to be taken into consideration while preparing / revising the Scheme and syllabus of a Program. • To prepare TNA along before going for syllabus revision. • To conduct regular Academic Audits with experts from another prominent institute. • To include "Capacity Building" concepts in the "Engineering Leadership" Course.

Director-Academics apprised of the entire process that the Institute follows, while revising the Curriculum / Syllabus.

➤ Sri C. Shekar Reddy Chairman, CII, Telangana, suggested the below mentioned points :

- Develop Center of Excellence in certain Engineering disciplines
- Take Industry problem-based projects.
- Faculty exposure to Industry through industrial visits and project works.
- Inviting Industry leaders for lectures
- Longer internships of 6 months and faculty training on specific topics in advanced technologies in the industry such as Mechatronics and Energy monitoring.
- To focus on practical learning and application in real life, which can solve problems.
- Students should be encouraged to participate in National and International technical competitions.
- Teachers should help in deep learning and understanding like mentor.
- College should tie-up with industries for training their students.
- Students should also learn soft skills and organizational skills.
- The faculty after every 5 years must be given a sabbatical, in line with the practice in US, and they must work at another institute / laboratory / industry for at least half a year.
- Every initiative to update Curricula and Laboratories must be driven by an elite group which must include specialists from other institutes of eminence and leading relevant industries.
- Encouragement to relevant industries for extended periods to gain exposure to the latest technologies and systems.
- Include internships/training in leading Industries for the students as an integral part of the Curricula.

Principal responded that majority of the points suggested by the Chairman, CII, Telangana, are in vogue, however they will be looked into once again.

Vote of Thanks: There being no other point, the meeting is concluded with vote of thanks by Prof. K. Krishnaveni, Director-Academics.



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

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.