आज़ादी का अमृत महोत्सव

झारखण्ड केन्द्रीय विश्वविद्यालय
Central University of Jharkhand
(Established by an Act of Parliament of India,2009)

Department of Computer Science & Technology
School of Natural Sciences, Brambe,Ranchi

Minutes of the 3rd BOS Meeting
(Date: 11.9.2021)

The third meeting of the Board of Studies of the Department of Computer Science and Technology was conducted in the virtual Mode. The following members were present.

1. Dr. Subhash Chandra Yadav,Professor — (Chairman, Ex- Officio and Convener)
   Department of Computer Science & Technology, CUJ
2. Prof. Rajib Mall, Professor — (External Member)
   Department of Computer Science and Engineering
   IIT, Kharagpur.
3. Mr. Abhishek Kumar Singh — (External Member)
   Director (Operations), Accenture
   Gurugram, Haryana.
4. Prof. A.K Padhy, Professor — (Member)
   Department of Chemistry, CUJ
5. Prof. Ajai Singh, Professor — (Member)
   Department of Water Engg.&Mgt., CUJ
6. Dr. Manoj Kumar, Associate Professor , — (Member)
   Department of Life Science, CUJ
7. Dr. G.P Singh, Associate Professor — (Member)
   Department of Nano Science and Technology,CUJ
8. Dr. Dharmendra Singh, Associate Professor, — (Member)
   Department of Physics
9. Dr. P.K Parida , Assistant Professor — (Member)
   Department of Mathematics, CUJ
10. Dr. Prashant Prashun — (Member)
    Department of Computer Science &Technology,CUJ
11. Dr. KanojiaSindhuben Babulal — (Member)
    Department of Computer Science &Technology,CUJ

Head, Department of Computer Science and Technology, Prof. S C Yadav welcomed all the members. One of the External members, Prof. Amiya Kumar Rath could not join the meeting. The minutes of the meeting are as follows.

Agenda- BoS/DCST/2021/3/01: Approval of the minutes of the meeting 2nd BOS held on 08.03.2019.

D.Singh

Yadav 11/9/2021

Resolution: BOS approved the minutes of the 2nd BOS Meeting.

Agenda - BoS/DCST/2021/3/02: Ratification of School Board Recommendation (2nd SoB of Natural Sciences dated 31/10/2019 ref. No. SNS/BoSc/ 2079/4/6) for few modifications in the Syllabus of M. Tech (CST).

Resolution: BOS Committee approved the suggestion made by School Board (SoN) that was already being incorporated.

Agenda - BoS/DCST/2021/3/03: Discussion on various provisions of NEP 2020 relevant for the Department.

Resolution: The committee members have made the following suggestions regarding the implementation of NEP 2020 provisions.

S1: The department can follow the NEP 2020 provisions and guidelines.

S2: The Department can offer at least 20% of courses from SWAYAM/NPTEL in each semester.

Agenda - BoS/DCST/2021/3/04: Approval of MoM of DRC meetings held in the department dated 8/3/2021, 04/03/2021, 21/10/2020, 26/09/2019 and 08/10/2018.

Resolution: BOS Committee approved the DRC Minutesdated 8/3/2021, 04/03/2021, 21/10/2020, 26/09/2019 and 08/10/2018.

Agenda- BoS/DCST/2021/3/05: Approval to embed the guidelines provided in NEP document to emphasize Artificial Intelligence and Machine Learning oriented course curriculum.Revision of M.Tech (CST) Syllabus (First revision) with effect from session 2021.

[A] The course Advance Data Structure will be replaced by Advanced Data Structures and Algorithms.

[B] The course Advance Data Structure Lab will be replaced by Advanced Data Structures and Algorithms Lab

[C] The course Introduction to Artificial Intelligence is introduced in place of the course Introduction to Intelligent Computing.

(D) Elective course Advance Computer Network will be amended.

D. Sinha

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Resolution: BOS Committee approved the first revision of the M.Tech (CST) First-semester syllabus and course structure with effect from session 2021. The revised course/paper code will be verified by the University Examination Cell. **(Annexure1)**

M. Tech.(CST): **First Semester**

Sl.No	Code	Course Name	L	T	P	Total Credit
1	CST611010	Mathematical Foundations of Computer Science	4	0	0	4
2	**CST611040**	**Advanced Data Structuresand Algorithm**	3	0	0	3
3	**CST611050**	**Introduction to Artificial Intelligence**	3	0	0	3
4	CST6160XX	Elective - I				3
5	ST6160XX	Elective - II				3
6	**CST612060**	**Advanced Data Structures and Algorithm Lab**	0	0	4	2
Total						18

List of Elective Courses (First Semester) *

S. No	Code	Course	L	T	P	Total Credit
1	CST616010	Internet of Things	3	0	0	3
2	**CST616021**	**Advance Computer Network**	3	0	0	3
3	CST616030	Advanced Database System	3	0	0	3
4	CST616040	Data Warehousing and Mining	3	0	0	3
5	CST616050	Data Security	3	0	0	3
6	CST616060	Network Security	3	0	0	3
7	CST616070	Ethical Hacking and Cyber Crime	3	0	0	3
8	CST616080	Block Chain Technology	3	0	0	3

* The elective papers will be offered by the department based on the availability of subject experts.

56

Agenda- BoS/DCST/2021/3/06:Revision of M.Tech, 2nd-semesterSyllabus (First revision) with effect from session 2021. (The revised Course code will be finalized in consultation with the examination cell)

(A) The course Advance Algorithm is dropped as its contents arebeing merged in the 1st Semester with the course Advanced Data Structures and Algorithms.

B) The course Machine Learning from the second-semester Elective group is included as a Compulsory Course.

(C) Elective course Natural Language Processing will be amended.

(D) Open Elective Course is converted into Elective Course.

(E) Advance Algorithm Lab is dropped as its contents are beingmerged in the 1st Semester with the course Advanced DataStructures and Algorithms Lab.

(F) Induction of Laboratory course as Machine Learning Programming using Python.

(G) Elective course Mobile Computing will be amended.

(H) Quantum Computing and Big Data Analytics are added to the listof Elective courses.

Resolution:BOS Committee approved the first revision of the M.Tech2nd Second-semester syllabus and course structure with effect from session 2021. The revised course/paper code will be verified by the University Examination Cell. **(Annexure 2)**

M. Tech.(CST): Second Semester						
Sl.No.	**Code**	**Course Name**	**L**	**T**	**P**	**Total Credit**
1	**CST621060**	**Machine Learning**	3	0	0	3
2	CST621020	Soft Computing	3	0	0	3
3	CST6260XX	Elective - III				3
4	CST6260XX	Elective - IV				3
5	CST6260XX	Elective - V				3
6	**CST622070**	**Machine Learning Programming using Python (Lab)**	0	0	4	2
7	CST623030	Seminar				1
8.	CST623050	Academic Ethics and Research Writing	2	0	0	2
Total						20

List of Elective Courses (Second Semester) *						
S. No	**Code**	**Course**	**L**	**T**	**P**	**Total**
1	CST626010	Knowledge Representation & Reasoning	3	0	0	3
2	**CST626021**	**Natural Language Processing**	3	0	0	3
3	CST626030	Computer Visionand pattern recognition	3	0	0	3
4	CST626050	Information Theory and Coding	3	0	0	3
5	CST626060	Digital Forensics and Biometrics	3	0	0	3
6	**CST626071**	**Mobile Computing**	3	0	0	3
7	CST626080	Web Search and Information Retrieval	3	0	0	3
8	**CST626090**	**Quantum Computing**	3	0	0	3
9	**CST626100**	**Big Data Analytics**	3	0	0	3
* The elective papers will be offered by the department based on the availability of subject experts.						

Any Other Agenda: Prof. Rajib Mall has suggested the following.

S1: Teachers are also encouraged to take NPTL courses.
S2: The feedback from the placed students and the industry should be sought.

The meeting ended with a vote of thanks to the chair.

Dr. KanojiaSindhuben Babulal

Dr. Prashant Prashun

Dr. P.K Parida

Dr. Dharmendra Singh

Dr. G.P Singh

Dr. Manoj Kumar

Prof. Ajai Singh

Prof. AK Paddy

Mr. Abhishek Kumar Singh

Prof. Amiya Kumar Rath

Prof. Rajib Mall

Dr. Subhash Chandra Yadav 11/9/2021