



झारखण्ड केन्द्रीय विश्वविद्यालय CENTRAL UNIVERSITY OF JHARKHAND

(भारतीय संसद के अधिनियम 2009 द्वारा स्थापित)
(Established by an Act of Parliament of India in 2009)
Homepage: <http://www.cuj.ac.in>

Ref. No. CUJ/DCST/BoS/2021/5/195

Date: 06th September, 2021

NOTIFICATION

It is notified for information of all the concerned that the 2nd Board of Studies for Department of Computer Science & Technology is hereby re-constituted.

(i) The Head of the Department, Convener & Chairperson Ex-Officio	Prof. Subhash Chandra Yadav, Head, DCST
(ii) All Professors of the Department	Prof. Subhash Chandra Yadav, Head, DCST
(iii) Two Associate Professor and Two Assistant Professor of the Department by rotation, on the basis of seniority	Associate Prof : NA Assistant Prof : 1. Dr. Prashant Prashun, DCST 2. Dr. Kanojia Sindhuben Babulal, DCST
(iv) One teacher each from other departments within the School having common courses with the Department	1. Prof. Arun Kumar Padhy, Prof., DoC 2. Dr. Manoj Kumar, Asso. Prof., DLS 3. Dr. Dharmendra Singh, Asso. Prof., DoP 4. Dr. P.K Parida, Asst. Prof., DoM
(v) Not more than two teachers allied or cognate subject in other school nominated by the Vice-Chancellor on the recommendation of the Department concerned	1. Prof. Ajai Singh, Prof., DWEM 2. Dr. G.P Singh, Asso. Prof., DNST
(vi) Five Teachers from constituent colleges and recognized institutions if any, engaged in teaching the subject concerned nominated by the School of studies	Nil
(vii) Not more than three persons nominated by the Board of the School, who have specialized knowledge of the subjects around which the Departments/Centres in the School are organised and who are not employees of the University, any of its constituent colleges or recognised institutions.	1. Prof. Rajib Mall, Prof., Dept. of Computer Science and Engineering, IIT, Karagpur. Email id- rajib@cse.iitkgp.ac.in , Phone: 03222283482 2. Prof. Amiya Kumar Rath, Advisor ICT, National Assessment and Accreditation Council (NAAC) P.O. Box. No. 1075, Nagarbhavi, Bangalore-560072, Karnataka. Email- amiyakumarrath@gmail.com , Phone: 9437577560 3. Mr. Abhishek Kumar Singh, Director, Accenture-operations Gurugram, Haryana, Email id- abhishekk@hotmail.com , Phone: 9899725371

The term of the office of members, other than the Head of Department and Professor shall be for the remaining period of 3 years from the date of issue of notification.

Distribution:

1. All concerned members of the Board of Studies

Copy to :

1. Controller of Examinations
2. Prof. I/c (Academics & Research)
3. Concerned Heads/Coordinator of the Dept.
4. PS to Vice- Chancellor
5. PS to Registrar
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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
Department of Computer Science & Technology, CUJ
(Chairman, Ex- Officio and Convener)
- 2. Prof. Rajib Mall, Professor
Department of Computer Science and Engineering
IIT, Kharagpur. (External Member)
- 3. Mr. Abhishek Kumar Singh
Director (Operations), Accenture
Gurugram, Haryana. (External Member)
- 4. Prof. A.K Padhy, Professor
Department of Chemistry, CUJ (Member)
- 5. Prof. Ajai Singh, Professor
Department of Water Engg. & Mgt., CUJ (Member)
- 6. Dr. Manoj Kumar, Associate Professor,
Department of Life Science, CUJ (Member)
- 7. Dr. G.P Singh, Associate Professor
Department of Nano Science and Technology, CUJ (Member)
- 8. Dr. Dharmendra Singh, Associate Professor,
Department of Physics (Member)
- 9. Dr. P.K Parida, Assistant Professor
Department of Mathematics, CUJ (Member)
- 10. Dr. Prashant Prashun
Department of Computer Science & Technology, CUJ (Member)
- 11. Dr. Kanojia Sindhuben Babulal
Department of Computer Science & Technology, CUJ (Member)

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.



 [Signatures of Prof. A.K Padhy, Prof. Ajai Singh, Prof. Manoj Kumar, Prof. G.P Singh, Prof. Dharmendra Singh, Prof. P.K Parida, Prof. Prashant Prashun, Prof. Kanojia Sindhuben Babulal, and Prof. S C Yadav]

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 Minutes dated 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.

A collection of handwritten signatures and initials in blue ink. From left to right, there is a large stylized 'P', a signature that looks like 'M', a signature that looks like 'Sud', a signature that looks like 'K', a signature that looks like 'P', a signature that looks like 'D. Srinivas', a signature that looks like 'P', and a signature that looks like 'S'. Below the 'P' signature, the text 'Purari-2' is written.

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 Structures and 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.						

Agenda- BoS/DCST/2021/3/06:Revision of M.Tech, 2nd-semester Syllabus (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 are being 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 being merged in the 1st Semester with the course Advanced Data Structures and Algorithms Lab.

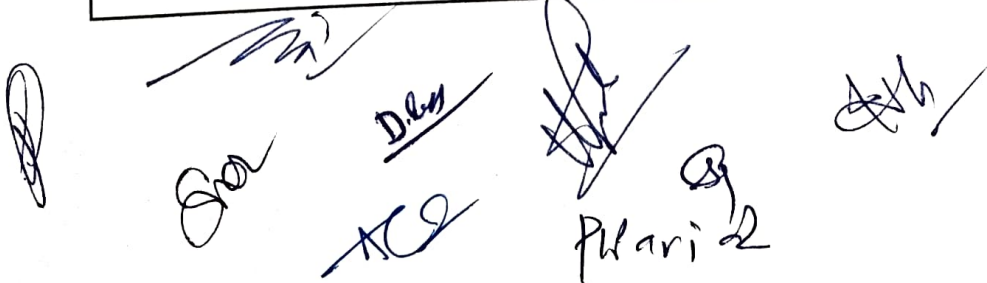
(F) Induction of Laboratory course as Machine Learning Programming using Python.

(G) Elective course Mobile Computing will be amended.

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

Resolution: BOS Committee approved the first revision of the M.Tech 2nd 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



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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 Vision and 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. Kanojia Sindhuben 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

Signature
11/9/2021