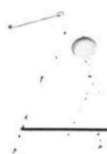


BoS-DMME:
2023/1/01To confirm the minutes of 4thBOS meeting of Department of Nanoscience & Technology held on 13th September, 2021.नैनो विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF NANOSCIENCE AND TECHNOLOGYझारखण्ड केन्द्रीय विश्वविद्यालय
CENTRAL UNIVERSITY OF JHARKHAND
(भारतीय संसद के अधिनियम 2009 द्वारा स्थापित)
(Established by an Act of Parliament of India in 2009)
Homepage: <http://www.cuj.ac.in>**Minutes of meetings of 4th Board of Studies (BOS) Meeting**

A meeting of the 4th Board of studies (BOS), Department of Nanoscience and Technology (DNST) was held on 13th September 2021 at 11.00 AM through blended mode, i.e. online (Google link: meet.google.com/aob-vioc-tuh) and offline, at the Department of Nanoscience and Technology in presence of the following Members

1. Head, Department of Nanoscience and Technology, CUJ-Chairman (Ex-officio)
2. Prof. R. K. Mandal, Dept. of Metallurgy Engineering, IIT-BHU-External Member
3. Prof. Kamal Prasad, Univ. Dept. of Physics, TMBU- External Member
4. Prof. S. K. Sinha, Dept. of Physics, BIT Mesra, Ranchi- External Member
5. Prof. N. Ponpandian, Bharathiar University, Coimbatore- External Member
6. Prof. Ratan Kumar Dey, Dept. of Chemistry, CUJ, Ranchi-Member
7. Prof. Manoj Kumar, Dept. of Environmental Science, CUJ, Ranchi-Member
8. Dr. Devdas Lata, Dept. of Energy Engineering, CUJ, Ranchi-Member
9. Dr. Gajendra Prasad Singh, Associate Professor, DNST, CUJ-Member
10. Dr. Arnab Sankar Bhattacharyya, Assistant Professor, DNST, CUJ-Member
11. Dr. Lawrence Kumar, Assistant Professor, DNST, CUJ-Member
12. Dr. Ramesh Oraon, Assistant Professor, DNST, CUJ-Invitee
13. Dr. Ram Kishore Singh, Assistant Professor, DNST, CUJ-Invitee

In the beginning, Dr. G. P. Singh, Head & Chairman, Department of Nanoscience and Technology, expressed his deep sense of happiness and gratitude for the presence of all members in the meeting. Dr. G. P. Singh, Head, DNST has given the introduction of all members to the board. Dr. G. P. Singh expressed his immense pleasure and gratefulness. He welcomes all external members who have attended the meeting despite various busy schedules. Dr. G. P. Singh also individually welcomes all other members from various Departments of CUJ, including the Department of Nanoscience and Technology, who has attended the meeting and hence to make the event academically successful and productive.

The BOS members discussed in detail the agenda items and looking into the requirement of the Department, the committee has unanimously recommended and resolved each agenda item that:

1. The minutes of the 3rd meeting of the BOS were confirmed (**Annexure-1**).
2. The action taken reports of the 3rd meeting of the BOS held on 23rd July, 2019 (**Annexure-2**)
3. The approved RAC Members and the Ph.D. supervisors of Mr. Vhatkar Shashikant Shivaji and Mr. Mukesh Kumar Gurjar, Research scholars admitted in Ph.D. Admission 2019 were appraised by the chairman & convener to the BOS members and it was noted (**Annexure-3**).
4. The allotment of supervisor(s) by the Departmental Research Committee (DRC) to the Ph.D. students admitted in 2020-21 was approved (**Annexure-4**).

झा. के. वि., ग्राम-चेडी-मनातु, पोस्ट-कमरे, कांके, रांची-835222 / CUJ, Vill.-Cheri-Manatu, Post- Kamre, Kanke, Ranchi - 835 222

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Ramesh

David

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5. The award of the Ph.D. degree of Mr. Ramagiri Praween Kumar and Ms. Soumita Jana was appraised to the members and it was noted **(Annexure-5 & 6)**.
6. The syllabus for the Ph.D. program course work in light of existing University Ph.D. and new curriculum Research and Publication Ethics (RPE) inclusion suggested by UGC was approved **(Annexure-7)**.
7. The proposal to start a Dual Degree 5 years Program leading to B. Tech. in Materials Engineering and/or B. Tech. in Materials Engineering with specialization in Nanotechnology and M. Tech. in Nanotechnology **(Annexure-8)** with a provision of multiple exits under NEP -2020 was placed before the BOS Members after the unanimous consent of the Department faculties as per the suggestion of the University authority taking into an account of the enhancement in Gross Enrollment Ratio and the employability. It was thoroughly discussed in the meeting and the following suggestions and observations were made by the committee members.
 - (i) The NEP-2020 may be implemented by the Department after following its guidelines with the provisions of multiple entry and exit system (MEES), Multidisciplinary/Interdisciplinary courses, adoption of SWAYAM regulations for credit transfer, provision of internship, and adoption of learning outcome-based curriculum framework.
 - (ii) The proposed program B. Tech. in Materials Engineering is a broad area and the Department of Nanoscience and Technology is a highly specialized area and is a part of materials. So the proposed program may start subject to the rename of the Department of Nanoscience and Technology" with the "Materials Science and Technology" like renaming of "School of Nanoscience and Technology" to "School of Materials Science and Engineering" by NIT Calicut". This is due to fact that materials represent a much broad area in which "Nano" can be accommodated suitably. As such the job prospectus, employment opportunity taking into account material is much more attractive at the Undergraduate level. The recent advertisement of various public/private organizations emphasized degrees in the Materials field. Taking into account all these above factors, the materials related to academics and research is a much more diversified area, and no. of the elective basket, interdisciplinary electives, and vocational papers can be offered under the NEP model. Currently, the department has the expertise of all faculty members in the materials field.
 - (iii) Moreover, it is also suggested that if the university wants to open such a multidisciplinary program B. Tech. in Materials Engineering, maybe open under the mentorship of the Department of Nanoscience and Technology, but a new BOS committee may be formed for this program and the recommendation may be obtained. Further, the University authority ensures the requirement of the additional faculties, the infrastructure facilities, and the funds for the Laboratories to the Department for the B. Tech. in Materials Engineering and/or B. Tech. in Materials Engineering with specialization in Nanotechnology.

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- (iv) Since the Department is already running the M. Tech in Nanotechnology so continuing with this program is accepted.

Meeting ended with thanks to the chair.

R. K. Mandal

Prof. R. K. Mandal

K. Prasad

Prof. Kamal Prasad

S. K. Sinha

Prof. S. K. Sinha

N. Ponpandian

Prof. N. Ponpandian

R. Kumar Dey

Prof. Ratan Kumar Dey

M. Kumar

Prof. Manoj Kumar

D. Lata

Dr. Devdas Lata

G. Prasad Singh
13/09/2021

Dr. Gajendra Prasad Singh

A. Sankar Bhattacharyya

Dr. Arnab Sankar Bhattacharyya

L. Kumar

Dr. Lawrence Kumar

R. Oraon

Dr. Ramesh Oraon

R. Singh

Dr. Ram Kishore Singh

H. Singh
13/09/2021

Head & Chairman (Ex-Officio)
