

**Minutes of Meeting with Hon'ble Director, AIIMS Raipur held on
June8, 2023 (Friday) at 02.00 PM in
Committee Room, 1st Floor, Medical College Building, AIIMS Raipur**

The third meeting with IIT Bhilai was held on 09.06.2023 at 2 PM in the Committee Room, Medical College Building, AIIMS Raipur to discuss on various mutual research collaboration and joint degree programmes.

The following attended the meeting:

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| 1. | Prof. (Dr.) Nitin M Nagarkar, Director and CEO, AIIMS Raipur |
| 2. | Prof. Rajeev Prakash, Director, IIT Bhilai |
| 3. | Prof. (Dr.) Alok Chandra Agrawal, Dean (Academics), AIIMS Raipur |
| 4. | Prof. (Dr.) Narendra K Bodhey, Professor and Head, Radiodiagnosis, AIIMS Raipur |
| 5. | Prof. (Dr.) Debendra Tripathi, Professor and Head, Trauma and Emergency, AIIMS Raipur |
| 6. | Prof. (Dr.) Renu Rajguru, Professor and Head, Department of ENT, AIIMS Raipur |
| 7. | Prof. (Dr.) Ramanjan Sinha, Professor and Head, Department of Physiology, AIIMS Raipur |
| 8. | Prof. (Dr.) Amit Chowhan, Professor and Head, Department of Pathology, AIIMS Raipur |
| 9. | Prof. (Dr.) Avinash Ingle, Associate Dean (Examination), AIIMS Raipur |
| 10. | Dr. Suprava Patel, Additional Professor, Department of Biochemistry, AIIMS Raipur |
| 11. | Dr. Anagha Phadhe, Associate Professor, Department of Physiology, AIIMS Raipur |
| 12. | Dr. Rakesh Gupta, Assistant Professor, Department of Pathology, AIIMS Raipur |
| 13. | Dr. Arunita T Jagzape, Assistant Professor, Department of Physiology, AIIMS Raipur |
| 14. | Dr. Naman Agrawal, Assistant Professor, Trauma and Emergency, AIIMS Raipur |
| 15. | Dr. DL Gupta, Assistant Professor, Department of Biochemistry, AIIMS Raipur |
| 16. | Prof. Santosh Biswas, Professor, Dept. of CSE, IIT Bhilai |
| 17. | Dr Rukmankesh, Dept. of Biosciences and Biomedical Engineering, IIT Bhilai |
| 18. | Dr. SkSubidh Ali, Dept. of CSE, Dept. of CSE, IIT Bhilai |
| 19. | Mr. Mohammad Arif Khan, Junior Superintendent (Technical), IIT Bhilai |
| 20. | Mr. Pankaj Kumar, Junior Superintendent (Technical), IIT Bhilai |
| 21. | Mr. Rudra Dutta Tiwari, Senior Computer Engineer, IIT Bhilai |

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| 21. | Dr. Praveen Kumar, Dept of Physics, IIT Bhilai |
| 22 | Dr. Archana Tiwari DST Scientist, IIT Bhilai |
| 23 | Mr. Sudhir Kumar Padhi, Research Scholar, IIT Bhilai |

In the opening remarks, Prof. (Dr.) Nitin M Nagarkar, Director, AIIMS Raipur welcomed Prof. Rajeev Prakash, Director, IIT Bhilai, Faculty Member of IIT Bhilai and Faculty Members of AIIMS Raipur. With the permission of Director, AIIMS Raipur, the following faculty members presented their presentations before the members for mutual research collaborations

Presentation for New Projects

| S.No. | Name | Institute | Topic |
|--------------|---------------------|------------------|--|
| 1 | Dr. Arunita Jagzape | AIIMS Raipur | NISHAD |
| 2 | Dr. Rakesh Gupta | AIIMS Raipur | Development of receptor specific (Her2) scan with futuristic goal in cancer therapeutics; A hypothesis |

During the discussion, Director AIIMS Raipur inquired about the progress of the presentations presented in the last meeting. Director, IIT Bhilai informed that the team has already started working on the projects. Prof. (Dr.) Alok Chandra Agrawal, Dean (Academics) said that we have already started working on various projects. He also said that detailed research proposals may be forwarded to Institute Research Cell, AIIMS Raipur for approval, so that the ethical clearance may be taken.

Presentation on Progress of Projects.

| S.No. | Name | Institute | Topic | Progress |
|-------|---|-----------------------------|--|--|
| 1 | Prof. (Dr.) Debendra Tripathi, Dr. Naman Agrawal and Prof. Santosh Biswas | AIIMS Raipur and IIT Bhilai | AI Powered Decision Support System for Trauma and Emergency Patients | <p>Prof. (Dr.) Debendra Tripathi and Dr. Naman Agrawal showed the progress of the project with IIT team.</p> <ul style="list-style-type: none"> Survey of the Issue of proprietary S/W and H/W to export digital data from patient monitors Demo of digitizing of four parameters namely SPO2, RR, NBP, Pulse rate from patient monitors using OCR <p>Next Step: Applicability of the OCR to multiple models of patient monitors</p> |
| 2 | Dr. Rakesh Gupta and Prof. Santosh Biswas | AIIMS Raipur and IIT Bhilai | Development of sensor-based alarm app for Histoprocessor machine | <p>Live demonstration of an embedded device developed by IIT Bhilai that sends an Whatsapp message if the Histoprocessor machine halts for more than 5 minutes.</p> <p>Next Step: Militarization of the embedded device to detect abrupt halting of the Histoprocessor machine</p> <p>Development of an Embedded device to alert if the rotation of the Histoprocessor machine misses any of the 12 containers.</p> |

Dr. Rukmankesh presented about the compiled course curriculum of joint course of MTech in Bioengineering. During the discussion, Prof. (Dr.) Alok Chandra Agrawal,

Dean (Academics) inquired about the eligibility criteria for admission of the said course. Dr. Rukmankesh informed those candidates who have pursued MBBS/BDS/M.Sc. in Biotechnology/M.Sc. in Life Sciences and its allied subjects/ BTech from recognized institute will be eligible for admission. He also informed that admission in BTech Biotechnology, students from biology field are eligible.

Director, IIT Bhilai informed that the admission for MTech course will be done through an Entrance Examination once a year and for PhD courses, the admission will be done twice a year (as per the requirement demanded from faculty member). Director, IIT Bhilai also said that the main motto is that the student should get the Job. We must streamline the placement process course for the same. He also informed that IIT Bhilai has also started the preparedness for setting up of new labs at IIT campus. Dean (Academics), AIIMS Raipur enquired about the passing criteria, director, IIT informed that in IITs, passing criteria is decided by the Examiners or decided via difficulty index by examiners at the time of examination.

During the meeting, Director, IIT Bhilai expressed his areas of research in the field of public health. He said an assessment or observational study on preparedness of disaster or medical emergency or any upcoming hazard disastrous can be done. We can also test an research hypothesis through the study whether its worth or not. He also informed the house that IIT Bhilai is developing a dedicated garden for medicinal plant, the faculty members of AIIMS Raipur who are interested in study related to medicinal plants can contact us.

It was also decided to schedule the next meeting on 14th July 2023.

The meeting ended with the thanks to the house.