

Academy of Scientific and Innovative Research

Ninth Meeting of the Senate

December 19, 2013, 11:00 am

Venue: Room No. 101, Anusandhan Bhawan, 2, Rafi Marg, New Delhi

Sl.No.	Name of the Member	Mode of Participation
1.	Prof. Nagesh R. Iyer	In person
2.	Prof. Kunal Ray	In person
3.	Prof. Amitabha Chattopadhyay	In person
4.	Prof. S.K. Bhattacharyya	In person
5.	Prof. B.K. Mishra	In person
6.	Prof. Partha Banerjee	In person
7.	Prof. (Mrs) Lakshmi Kantam	In person
8.	Prof. Vivek Ranade	In person
9.	Dr. Poonam Arora	In person
10.	Prof. Prem Krishna	In person
11.	Prof. (Mrs) Santa Chawla	In person
12.	Prof. B.D. Kulkarni	Video Conference
13.	Prof. P. Seshu	Video Conference
14.	Prof. Vijaya Mohanan K Pillai	Video Conference
15.	Prof. Pijush Pal Roy	Video Conference
16.	Prof. Shyam Sundar Rai	Video Conference
17.	Dr. Shankar Doraiswamy	Video Conference
18.	Prof. R.K. Baruah	Video Conference

The members participating through Video Conferencing or Skype or any other electronic media could follow the proceedings of the meeting with complete clarity and there was no hindrance in conducting the meeting.

Prof. A. Ajayaghosh, Prof. K.S. Krishna, Prof. Ram Rajsekharan, Prof. Dr. S. Srikanth, Prof. Javed N. Agrewala, Prof. (Mrs.) Asha A. Juwarkar, Prof. Amitava Sengupta, Dr. Rajan Sankaranarayanan, Prof. Dinesh Singh, Dr. Pronab Sen, Dr. Vinod Scaria, Dr. Shantanu Sengupta, Prof. Rakesh Mohan Jha and Prof. Suman Kumari Mishra could not attend the meeting due to prior commitments. They were granted leave of absence.

INITIATION OF THE MEETING

Item No. 1: Prof. Nagesh R. Iyer, Acting Director, AcSIR and Chairman of the Senate welcomed all the members of the Senate and thanked them for participating in the ninth meeting of the Senate. The Chairman brought it to the notice of the members of the Senate that after long deliberations, the Statutes and Ordinances of the Academy have been formally approved by the Board of Governors of AcSIR with an effective date of enactment as November 10, 2013.

Item No. 2: On sending the Minutes of the 8th meeting of the Senate held on August 2, 2013 to its members, it did not receive any additional comments/suggestions, and was unanimously approved by all the members attending the meeting in person or through electronic media.

Item No. 3: With respect to the Action Taken Report the following discussion took place:

The members unanimously agreed that since Statutes and Ordinances are approved and in place, it is very important to form the Board of Studies of AcSIR as early as possible. All the members emphasized that the academic programs offered by the Academy need strict monitoring and the Board of Studies are primarily responsible for the maintenance of the quality and standard of the courses being offered.

The Senate took note of the fact that the appropriate committee formed to finalize the modalities for introduction of the positions of Visiting Faculty of AcSIR is reviewing the possible involvement of such faculty along with the financial packages that can be offered, and also the financial impact on the Academy for implementation of such a package.

The members appreciated that seven students have taken admission for PhD under the Teachers Research Fellowship (TRF) scheme of INAE-AICTE across various engineering laboratories. The members were informed that this year, a maximum of 47 students will be accommodated across the engineering labs. Applications received at INAE-AICTE have been circulated among the laboratories for consideration.

The Chairman updated the members on the status of the joint AcSIR-PHFI program on Integrated MSc-PhD in Clinical Research and Health Informatics. Currently in the August 2013 session, 9 students have enrolled. The second semester coursework would start from January 2014 and that the coursework for the same are being tabled at the Senate as a separate item, duly recommended by the Dean and approved by the Senate Chairman, for ratification.

The members noted with appreciation the efforts put in by Prof. Amitabha Chattopadhyay, Chairman and Prof. Raj Singh, member of the Course Committee of AcSIR in identifying 9 portals including COURSEERA for conducting online courses for the students of AcSIR. The Committee members will submit their report to the Senate at its next meeting.

ITEMS FOR RATIFICATION

Item No. 4: Ratification of Admissions

The members ratified the admission of 4 students for PhD (Biological Science) at CSIR-CCMB and 26 students (12 in Engineering Science, 12 in Chemical Science, 1 in Biological Science, 1 in Physical Science) at CSIR-IMMT in August 2013 session.

The members ratified the admission of Mr. Gunjan Purohit of CSIR-IGIB, who had cleared CSIR SRF interview on September 2011 but had applied and awarded the fellowship in 2012 has joined at CSIR-IGIB as an AcSIR-PhD student.

Mr. Pankaj Bhooshan Agarwal had joined CSIR-CEERI in January 2005 as a Scientist after completion of M.Tech degree. Since his work is in multi-disciplinary areas of study, as per recommendation of the Director of his Lab and the approval of the Senate Chairman of AcSIR, he has been enrolled for AcSIR-PhD program following the stipulated criteria as



mentioned in Ordinance 3 for such cases. The Senate ratified his enrollment as a PhD student of AcSIR.

Item No. 5: Courses related

Introduction of New Courses for PhD program

The Senate ratified the introduction of the new courses at different laboratories as described below:

- **CSIR-IITR (Biological Sciences):** Approved
- **CSIR-IMMT (Engineering Sciences):** Adopted Courses from IIT-Bhubaneswar: Approved
- **CSIR-IMMT (Engineering Sciences):** Approved in principle; minor modifications in credit distribution to be approved by the Chairman, Senate
- **CSIR-CECRI (Physical Sciences):** Approved
- **CSIR-CECRI (Biological Sciences):** Approved in principle for introduction in January 2014 session. Currently under review by Dean, Biological Sciences for Course nomenclature and credit distribution. The Senate authorized the Chairman to approve the course and report at the next meeting of Senate.
- **CSIR-AMPRI (Chemical Sciences):** Approved in principle for introduction in January 2014 session. Currently under review by Dean, Chemical Sciences for Course nomenclature and credit distribution. The Senate authorized the Chairman to approve the course and report at the next meeting of Senate.

Modification of existing courses

- **CSIR-SERC (Engineering Sciences):** Engineering of Structures (EoS) course for Integrated MTech-PhD program: Approved in principle. Currently under review by Dean, Engineering Sciences for Course nomenclature and credit distribution. The Senate authorized the Chairman to approve the course and report at the next meeting of Senate
- **CSIR-IITR (Biological Sciences):** credit restructuring approved.

Courses for Integrated MSc-PhD programs of AcSIR-PHFI

- AcSIR-PHFI integrated MSc-PhD program in Clinical Research (Biological Sciences): Approved
- AcSIR-PHFI integrated MSc-PhD program in Health Informatics (Biological Sciences): Approved

The Senate in general authorized the Chairman to approve all the minor modifications required in the course nomenclature and credit distribution as recommended by the Deans of the respective faculty and report it to the Senate at its next meeting.

The list of new and modified courses are enclosed as **Annexure I**.

Renaming of specialization of Integrated MTech-PhD program being offered by CSIR-NML

The MTech course offered at CSIR-NML, till the year 2012, was named as "Mineral Processing, Metal Extraction & Resources & Waste Management". The proposal to rename



the course as “Materials & Metallurgical Engineering” has been approved by the Senate Chairman based on the recommendation of the respective Dean. The members of the Senate ratified the change in the program name.

Item No. 6: Award of PhD in Science to three students of AcSIR

The Senate ratified the results of three students of AcSIR, **Mr. Sukdeb Saha** of CSIR-CSMCRI, **Ms. K.S. Thushara** of CSIR-NCL and **Ms. Gulshan Singh** of CSIR-IITR, who have successfully defended their Theses in open forum and have been provisionally awarded the PhD degree in Science after receipt of approval from the Senate Chairman. The degree will be formally awarded during the Convocation of AcSIR.

The members discussed in detail the process of thesis submission at AcSIR and arrived at the following conclusions:

1. The comments of the two thesis examiners have to be placed before the Chairman, Senate and get his concurrence for conducting the viva voce exam.
2. The comments of the examiners also need to be placed at the Senate meeting along with the final results to judge the standard of the degree being awarded.
3. The compiled reports for each of the PhD degree awarded have to be compiled and placed to the Senate once a year.
4. The form for each of the viva voce examination should only be forwarded by the appropriate Dean of the faculty to the Chairman, Senate for approval. The current practice of recommendation by the Dean is redundant since it is done after OEB's recommendation. This practice should be discontinued.
5. The date of approval by the Chairman, Senate (and not the date for viva voce examination) would be considered as the date of award of the degree.

Item No. 7: Student Related Items

The members took note of the transfer of Laboratory for **Ms. Saima** (new Enrollment No. 10CC11A04005) and **Mr. Aditya G. Lavekar** (new Enrollment No. 10CC12J04020) from CSIR-IHBT to CSIR-CDRI done with due approval of the concerned Lab Directors and the Dean.

The Senate members took note of the change of faculty of **Ms. Manpreet Kaur** (New Enrollment No. 10PB12J15003) and **Mr. Harjodh Singh** (New Enrollment No. 10PB13A15003) at CSIR-CSIO and **Mr. K. Balakumar** (New Enrollment No. 10CP12A05009) at CSIR-CEERI including re-allocation of Advisor and Co-Advisor following receipt of approval of the Chairman, Senate on recommendation of the Dean.

Item No. 8: Induction of Co-guide from NIT-Rourkela at CSIR-CIMFR

The Senate took note of induction of Prof. D.R. Parthi, Department of Mechanical Engineering, NIT-Rourkela as a Co-Guide/ Co-Advisor to Md. Tanweer, student of Integrated MTech-PhD program (batch 2012-14) (Enrollment No.: 30EE12A43003) at CSIR-CIMFR.

Item No. 9: Statutes and Ordinances of AcSIR, as approved by the BoG

In its 8th meeting held on August 2, 2013, the Senate authorized the Chairman, Senate to make necessary minor corrections on the Statutes and Ordinances of AcSIR and forward it to the Board for approval and enactment. The Board, in its Fourth meeting held on



December 5, 2013 approved the Statutes and Ordinances and considered those 'enacted' from November 10, 2013. The members of the Senate took a note of the 'enactment' of the Statutes and Ordinances of AcSIR from November 10, 2013 and put on record appreciation for the efforts put on by Dr. Nagesh Iyer, Dr. Kunal Ray and the team in giving the Statutes and Ordinances its final shape and to Dr. R.A. Mashelkar, Chairman, BoG, for his critical comments in minute details in finalizing the Statutes and Ordinances.

ITEMS FOR DISCUSSION AND APPROVAL

Item No. 10: Transfer of students from JNU to PhD program of AcSIR at CSIR-CFTRI

The Senate approved the transfer of the following seven students who were registered in Jawaharlal Nehru University (JNU), New Delhi to AcSIR (under Faculty of Biological Sciences) due to transfer of their supervisor from CSIR-CIMAP to CSIR-CFTRI. The students are: **Pradeep Kumar Yadav, Kamlesh Kumar Yadav, Neelima Singh, M. Jayaprakash Rao, Praveen Kumar Rajvanshi, Madhuri Arya** (under supervision of Prof. Ram Rajasekaran) **and Priya Kumari** (under supervision of Dr. Malathi Srinivasan).

These students have already completed their coursework and all other formalities required for registration. The Senate advised the concerned Dean and the Associate Director (Academic) to look into transfer of credits following AcSIR guidelines, fulfillment residency requirement, if any, and advise the concerned Coordinator accordingly.

Item No. 11: Request from a student of CSIR-IHBT for permission to resume PhD after maternity leave

The Senate approved the request received from CSIR-IHBT for **Ms. Bindu Rana** (Enrollment no. 10BB11J33018) to resume her PhD coursework after a break (from October 20, 2012 to October 22, 2013) due to maternity leave and medical complications. The members approved the continuation of residency period and carrying forward the credits earned earlier.

Item No. 12: Special consideration for PhD in AcSIR

The Senate approved the request received for consideration of Mr. Snehasis Behera, Principal Scientist, CSIR-IMMT, Bhubaneswar to enroll for PhD in AcSIR in the area of "Engineering Sciences". The members noted that, as per Clause 3 of the Ordinances, the research should be in the interdisciplinary areas of science/engineering. The members emphasized that any similar request received in future should be routed through the Senate for consideration on a case by case basis.

Item No. 13: Clarification regarding Mathematics course being conducted at CSIR-NIO without approval of the Senate

The members of the Senate emphasized that no course in AcSIR under any faculty can be conducted without approval of the Senate. Only those courses will be offered at any CSIR Laboratory under the AcSIR degree program that are approved by the Senate and that AcSIR will not recognize any credit earned by the students from the courses that do not have approval of the Senate. Therefore, the Senate has clearly recommended that the Mathematics course being run at CSIR-NIO without recommendation of the Dean and the approval of the Senate will not be recognized. The Senate authorized the Chairman, Senate to communicate the same to the Coordinator of CSIR-NIO.



Item No. 14: Introduction of Diploma in the emerging area of Patinformatics

The proposal received from Prof. Raj Hirwani, CSIR-URDIP to start a Diploma in the emerging area of 'Patinformatics' under the aegis of AcSIR was enthusiastically approved in principle by the members of the Senate. There is provision in the approved Statutes of AcSIR for offering 'Diploma in areas offering new knowledge'. The Senate emphasized that due procedure needs to be followed for initiating such a program at AcSIR including (i) formal approval of the BoG for introduction of the program, and (ii) the approval of the Dean and the Senate for the course.

Item No. 15: Program/Student Related Issues

The Senate approved in principle, the provision for introduction of Direct PhD program in Science for students after completion of their undergraduate degree. The members pointed out that since now students can apply for CSIR-NET after obtaining such degree, fellowships will not be a problem for such students. However, the members emphasized that the course requirements for such students should be different from that of the students having a PG degree. The Senate recommended a subcommittee should be formed for formulation of guidelines for Direct PhD program in Science at AcSIR. The Senate Committee would have the following members:

Prof. Kunal Ray, Associate Director, Chairman;
Prof. Amitabha Chattopadhyay, Dean Biological Science;
Dr. Shantanu Sengupta, Associate Dean, Biological Science;
Prof. Laxmi Kantam, Director, CSIR-IICT or her nominee;
Prof. Ashish Lele, NCL, Pune;
Prof. P. Seshu, SiC, CSIR-4PI or his nominee and
Prof. Santa Chawla, Associate Dean, Physical Sciences

The report of the sub-committee is to be tabled at the next meeting of the Senate by April 2014.

The Senate approved in principle, the provision for introduction of PhD program in Science for sponsored candidates. The provision for PhD in Engineering already exists for candidates having Industrial sponsorship as "Sponsored Students" as approved by the Senate in its 7th Meeting held on April 5, 2013. The Senate recommended that the same subcommittee formed for formulation of guidelines for Direct PhD program (as above) should formulate the guidelines for 'sponsored candidates' at AcSIR. The report of the sub-committee is to be tabled at the next meeting of the Senate by April 2014.

The members of the Senate unanimously agreed that enrollment for students not having any fellowship (as self-sponsored candidates), should be restricted for now. It would be the responsibility of the concerned Lab to provide financial support to the students who do not have any formal fellowship. The Senate did not support enrollment of one such student from CSIR-800 for the PhD program in Science at NISTADS and suggested that such cases could be considered in future if a policy decision based on specific criteria is in place.



Item No. 16: Residency Related Issues

Residency period prior to application for enrollment: The Senate members opined that since there is already a provision of minimum one year residency for Project Assistants and SRFs in place that should be followed in principle. The period of residency should be calculated based on the date of enrollment and not any other criteria (e.g. date of interview etc.). Also, a shortfall in residency for a few days or weeks may be considered favorably by the screening committee of the lab, with permission of the Chairman, Senate on a case to case basis on recommendation of the Dean of the respective faculty.

Cases where a student exceeds the maximum stipulated period for completion of a program: The members were of the opinion that, if a student exceeds the maximum duration (i.e. 60 months) set by AcSIR for completing the PhD program, the tuition fees should be charged at a reduced rate but not eliminated to keep registration active with the Academy. The reduced rate of tuition fees for period beyond normal limit is to be decided by the Finance Committee.

Item No. 17: Faculty Related Issues

Updated List of Faculty members of AcSIR: The Laboratories listed below responded to the request by AcSIR office to revise and update the list of CSIR scientists to be recognized as AcSIR faculty as per 'Faculty Guidelines of AcSIR' (approved at the Senate meeting of August 2, 2013). The lists of proposed faculties from these labs were approved by the Senate without entertaining any request to make any exception. The faculty list of the following laboratories were approved by the Senate:

Sl. No.	Lab Name	Sl. No.	Lab Name	Sl. No.	Lab Name
1	CSIR-4PI	2	CSIR-AMPRI	3	CSIR-CBRI
4	CSIR-CCMB	5	CSIR-CDRI	6	CSIR-CFTRI
7	CSIR-CGCRI	8	CSIR-CIMAP	9	CSIR-CIMFR
10	CSIR-CLRI	11	CSIR-CMERI	12	CSIR-CRRI
13	CSIR-CSMCRI	14	CSIR-IGIB	15	CSIR-IHBT
16	CSIR-IICB	17	CSIR-IICT	18	CSIR-IIIM
19	CSIR-IIP	20	CSIR-IITR	21	CSIR-NAL
22	CSIR-NBRI	23	CSIR-NCL	24	CSIR-NEERI
25	CSIR-NEIST	26	CSIR-NGRI	27	CSIR-NIIST
28	CSIR-NIO	29	CSIR-NISCAIR	30	CSIR-NISTADS
31	CSIR-NML	32	CSIR-NPL	33	CSIR-SERC
34	CSIR-URDIP	35	CSIR-CEERI	-	-

The Director of CSIR-IMMT, present at the Senate as a member, suggested not to consider the submitted list and proposed to resubmit shortly an updated list following the Faculty guidelines.

The lists of approved faculties from all the Laboratories who have responded are enclosed as **Annexure II**.

The faculty lists are yet to be received from the following labs:

Sl. No.	Lab Name	Sl. No.	Lab Name	Sl. No.	Lab Name
1	CSIR-IMMT	2	CSIR-CECRI	3	CSIR-IMT
4	CSIR-HQs/OSDD	5	CSIR-CSIO	-	-

The Senate authorized the Chairman, Senate to approve the awaited Faculty list, as appropriate, on its behalf and place it at the next meeting for its information.

It was also recommended by the members of the Senate that individual letters may be sent to all faculty about their faculty status in AcSIR.

Special requests received for consideration

A request was received from the Director, CSIR-IMMT (and a Senate member) for the Senate to consider that all faculty of AcSIR must have PhD degrees. However, this issue has been clearly dealt with in the Faculty guidelines of AcSIR which was approved by the Senate in its 8th meeting stating that a faculty of AcSIR should be having an ME/ MTech in Engineering/ PhD/ MD or recognized equivalent degree for consideration.

A request was received from Dr. Sriparna Chatterjee, INSPIRE Fellow of CSIR-IMMT that the INSPIRE Fellows, who are involved in teaching and other academic activities of AcSIR, may also be considered as a faculty of AcSIR (similar to Ramanujan/ Ramalingamswami and other equivalent Fellows of AcSIR). The members approved the inclusion of the criteria in the Faculty guideline and also approved the inclusion of Dr. Sriparna Chatterjee as a faculty of AcSIR.

Adjunct Faculty members at CSIR-CBRI and CSIR-NML

The Senate approved the induction of **Prof. M.N. Viladkar** as Adjunct Faculty of AcSIR at CSIR-CBRI and **Prof. Sirshendu De, Dr. Shantanu Chakrabarti, Dr. Achintya Kumar Das and Dr. Ashok Kumar** at CSIR-NML.

Approval of Dr. S.V. Eshwaran's Emeritus Professorship of ACSIR

The members of the Senate considered and approved **Prof. S.V. Eshwaran**, former Head, Department of Chemistry & Dean (Academics), St. Stephen's College, University of Delhi, as an Emeritus Professor of ACSIR. It is an honorary position.

Proposal of awarding Adjunct Professorship to Prof. J.B. Joshi

The members of the Senate considered and approved the induction of **Prof. J.B. Joshi**, DAE-Homi Bhabha Chair Professor, Homi Bhabha National Institute, Mumbai and J.C. Bose Fellow, Institute of Chemical Technology, Mumbai, as an Adjunct Professor of AcSIR. It is an honorary position.

Item No. 18: Roles and Responsibilities of Deans and Associate Deans of AcSIR

The members of the Senate went through the detailed roles and responsibilities of Deans and Associate Deans of the Academy and approved the same. It was further suggested that if further modification of the document is warranted it may be proposed to the Chairman, Senate for his consideration and appropriate action.

Item No. 19: Annual Calendar of AcSIR

The following calendar was proposed and approved by the Senate:

Senate meeting no.	Date of meeting	Alternate date*
1 st meeting	3 rd Friday of January	4 th Friday of January
2 nd meeting	1 st Friday of April	2 nd Friday of April
3 rd meeting	2 nd Friday of August	3 rd Friday of August



*Alternate dates, as proposed or other dates could be used only at the discretion of the Chairman, Senate as per his judgment if the situation warrants.

Additional item(s) for Consideration of the Senate

- a. Academy receives many requests from faculty of AcSIR in one discipline for consideration and inclusion as a faculty in another area of study. The members had a detailed discussion on the item and empowered the Deans of the concerned faculty to take a decision on such issues based on the merit of the case.

- b. The members of the Senate put on record the deep appreciation for Prof. Samir K. Brahmachari (DG, CSIR and *ex officio* Vice Chairman of BoG, AcSIR) for his contribution towards creation, fostering and providing current shape of the Academy. Prof. Brahmachari's current term as DG-CSIR ends on December 31, 2013. The meeting ended with a vote of thanks to the Chair.



Chairman Senate, AcSIR