Academy of Scientific and Innovative Research

Tenth Meeting of the Senate

4th April 2014; 11:00hrs
Venue: Room No. 101, Anusandhan Bhawan, CSIR HQ, New Delhi-110 001

Sl.No.	Name of the Member	Mode of Participation
1.	Prof. Nagesh R. Iyer	In person
2.	Prof. Kunal Ray	In person
3.	Prof. Javed N. Agrewala	In person
4.	Prof. S.K. Bhattacharyya	In person
5.	Prof. (Mrs.) Asha A. Juwarkar	In person
6.	Prof. Amitava Sengupta	In person
7.	Prof. Pijush Pal Roy	In person
8.	Dr. Vinod Scaria	In person
9.	Dr. (Mrs.) Poonam Arora	In person
10.	Prof. Prem Krishna	In person
11.	Prof. Rakesh Mohan Jha	In person
12.	Dr. Shantanu Sengupta	In person
13.	Prof. (Mrs) Santa Chawla	In person
14.	Prof. B.D. Kulkarni	Video Conference
15.	Prof. A. Ajayaghosh	Video Conference
16.	Prof. K.S. Krishna	Video Conference
17.	Prof. B.K. Mishra	Video Conference
18.	Prof. (Mrs) Lakshmi Kantam	Video Conference
19.	Prof. Ram Rajsekharan	Video Conference
20.	Prof. Vivek Ranade	Video Conference
21.	Prof. (Mrs.) Suman Kumari Mishra	Video Conference
22.	Dr. Shankar Doraiswamy	Video Conference
23.	Dr. Rajan Sankaranarayanan	Skype

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

Prof. Amitabha Chattopadhyay, Prof. S. Srikanth, Prof. Partha Banerjee, Prof. Vijaya Mohanan K Pillai, Prof. Shyam Sundar Rai, Prof. Dinesh Singh, Dr. Pronab Sen and Prof. R.K. Baruah could not attend the meeting due to prior commitments. They were granted leave of absence.

INITIATION OF THE MEETING

Item No. 1: Welcome address by the Chairman of the Senate and Acting Director, AcSIR

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 tenth meeting of the Senate.

He informed the Senate that a few major decisions have been taken by the Board of Governors of AcSIR in its meeting held on March 24, 2014, which would be reported to the Senate as items for information.

Item No. 2: Confirmation of the minutes of the 9th meeting of the Senate

The Minutes of the 9th meeting of the Senate held on December 19, 2013 were circulated among its members on January 22, 2014. It did not receive any major comments/suggestions from the members. Prof. SK Bhattacharya pointed out that on Item No. 8 on induction of Co-guide at CSIR-CIMFR, the name of Prof. Parhi of NIT-Rourkela has been misspelt as 'Parthi. This was noted for correction. The Minutes was unanimously approved by all the members.

Item No. 3: Action Taken Report (ATR) on the 9th Meeting of the Senate

With respect to the Action Taken Report the following discussion took place:

Board of Studies: The Chairman, Senate informed that the Board of Studies is in the process of being formed and identification of different members are in process. Currently AcSIR is awaiting names of a few RC members of different labs from CSIR HQs who could be inducted as members of the Board of Studies. Once formed, the Board of Studies will be placed to Senate for approval and subsequently to the Board of Governors for ratification.

Visiting Faculty of AcSIR: The Senate was informed that the Finance Committee is reviewing the financial aspects and implications for institution of the positions. The Committee will submit the report to the Senate.

On-line Courses: The Senate was updated on the various actions taken by the Course Committee so far including identification of 9 online portals for courses. Various issues raised by the members are being reviewed by the Committee and a report will be submitted to the Senate for consideration.

Diploma in 'Patinformatics': The Senate was informed about the approval received from the Board for introduction of the Diploma in Patinformatics at CSIR-URDIP. The Diploma is now ready to be announced and offered from the August 2014 session.

Guidelines for Integrated (Direct) PhD (Science) and Industry Sponsored PhD (Science): The Senate was informed that the report of the Senate Sub-Committee is being placed as a separate Agenda item at this meeting.

Update in Faculty Guidelines: As recommended by the Senate at the last meeting, INSPIRE fellows who are involved in teaching and other academic activities of AcSIR have been recognized as Faculty of AcSIR (similar to Ramanujan/Ramalingaswami and other equivalent Fellows of AcSIR) and the Faculty guideline has been suitably updated.

Faculty letters: As directed by the Senate at its 9th meeting, most of the faculties have received individual letters from the Associate Director with their designation in AcSIR excepting a few which are currently under process. In response to a question by Prof. S. Chawla, it was mentioned that the current approval from the Senate is accorded based on the eligibility criteria to be a faculty of AcSIR and it supersedes all prior approval given.

Prof. Kunal Ray informed that these positions are co-terminus with their positions in CSIR. A dynamic list of faculty will be shortly available on the AcSIR website and any changes in designation/Superannuation etc. will be regularly updated upon receipt of information from the concerned Lab Coordinators and approval of the Chairman, Senate.

ITEMS FOR APPROVAL

ItemNo.4: In principle permission to take up Monbukagakusho Scholarship for two years

The Senate granted 'in principle' approval to Ms. Deepika Yadav of CSIR-NPL to take up Monbukagakusho Scholarship for two years in Japan. Members, however, noted that the student being a QHS-Trainee at CSIR-NPL would require two types of leave (i) Administrative leave from CSIR-NPL, and (ii) Academic leave from AcSIR. Senate approved academic leave subject to approval of administrative leave from CSIR-NPL for the duration requested.

Item No. 5: Request for extending the last date for enrollment at AcSIR due to delay in receipt of fellowship award letters

The Senate approved the late enrollment of five students of CSIR-NIIST in faculty of Chemical Sciences for the January 2014 session, Mr. Chinnadurai M., Ms. Jerin Pancrecious, Ms. Deepthi Krishnan, Ms. Athira K.J. and Ms. Kanakangi S. Nair, whose fellowship award letters were delayed from HRDC, CSIR, New Delhi. The students have now joined CSIR-NIIST for their PhD program.

Item No. 6: Proposed Guidelines for Students with Science degree for Integrated (Direct) PhD and Industry Sponsored PhD

The members deliberated in detail on the report submitted by the Senate Sub-Committee under the Chairmanship of Prof. Kunal Ray on the proposed Guidelines for Students with Science degree for Integrated (Direct) PhD and Industry Sponsored PhD. Prof. SK Bhattacharya suggested that the basis for the proposed credit distribution should be re-examined so that parity is maintained with other disciplines and Universities/Institutes offering similar programs.

After considerable deliberations the Senate resolved the following:

i. MS by research could be the exit route for students of Direct PhD and Sponsored PhD in Science
ii. Credit requirement for each of the category and the logic behind it need to be determined
iii. Total credit hours to be defined
iv. Maximum duration for the programs will vary for different faculty of science and taken up on a case to case basis

The members also pointed out that the same exercise to be done for the Direct PhD and Sponsored PhD also in Engineering Sciences. The Course Committee may induct a few members to address the above issues and submit their report to the Senate. It was suggested by the members that among others Prof. SK Bhattacharyya and Prof. Raj Singh may be inducted to look into the different issues.

Item No. 7: Update on Publication Guidelines

The Senate noticed that different laboratories are using AcSIR affiliation in publications in different ways making it difficult to have a comprehensive way of measuring productivity of AcSIR students and faculty in terms of publication, patents etc. The members deliberated on having a uniform format for describing affiliation of AcSIR and agreed, as proposed by Dr. V Scaria, to adopt the following format universally across all the labs for publication/patent of AcSIR students and faculty:

"Academy of Scientific and Innovative Research (AcSIR), CSIR-Lab Name Campus, City"
It was decided that this format will be once again circulated among all coordinators and concerned personnel of AcSIR and will be put up on the website of AcSIR for wider circulation.

Item No. 8: Proposal for changes in procedural details related to grade calculation, thesis submission etc.

The members of the Senate deliberated on the proposal for changes in procedural details related to grade calculation, distinction mark and thesis submission etc.

a) Grade point Calculation: The members unanimously agreed that grade points are to be uniformly calculated up to two decimal places without rounding off. The final grade card will also reflect the same without any rounding off.

b) Distinction and 1st Class: AcSIR does not yet have a written provision for awarding the students with a 'Distinction' grade points. After considerable discussions, the Senate suggested the Examination Committee to review the same and submit their report at the next meeting of the Senate.

c) Submission of PhD Thesis for examination: The members of the Senate unanimously agreed that soft copy of the PhD thesis should be the first choice for evaluation by the external examiner. However, if any external examiner wishes, he/she can be provided with hardcopy for evaluation. The thesis should be sent only as a secured PDF with read only option and facilitating insertion of comments by the examiners. Dr. V Scaria agreed to look into the details and advise on it.

Dr. Scaria also suggested that the thesis submission process of AcSIR should be online, as done in case of publication of papers in journal, which would simplify the process, save time and may hasten the process of thesis examination. The Chairman mentioned that when the portal is launched this would be kept in mind.

ItemNo. 9: Proposed MoU between AcSIR-NML and Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya

The Senate approved in principle the proposed MoU between AcSIR-NML and Jomo Kenyatta University of Agriculture and Technology (JKUAT), Nairobi, Kenya. However, the members categorically pointed out that any such agreement/MoU in which AcSIR is involved should be tripartite in nature between AcSIR, the concerned CSIR lab and the other organization. Dr S Sengupta categorically mentioned that the credibility of such organizations must be looked into carefully before entering into any Agreement/MoU. The Chairman mentioned that in case students joining AcSIR under such Agreements/MoU, the admission procedure at AcSIR remains same and the concerned CSIR lab would be responsible for arranging for the fellowships and visa/travel arrangements. Dr. BK Mishra suggested that such Agreements where AcSIR is a party should be between AcSIR and the other organization and all CSIR labs should have right of participation.

Item No. 10: Proposed MoU between AcSIR and University of California Advanced Solar Technologies Institute (UC Solar)

The Senate approved in principle the proposed MoU between AcSIR and University of California Advanced Solar Technologies Institute (UC Solar). To a query it was mentioned that the agreement covers all the laboratories of CSIR having ongoing program on renewable energy. The Senate members suggested that the issue of IPR should be properly dealt with in the Agreement in accordance with the existing CSIR-AcSIR MoU.

ITEMS FOR DISCUSSION

Item No. 11: Inclusion of Director and Associate Director of AcSIR as its faculty

The Senate agreed to the proposal for inclusion of Director and Associate Director of AcSIR as its faculty having academic credentials who are either retired scientists from CSIR system or academicians from other organizations. The person holding such position will have the freedom

to participate in academic activities (e.g. collaborative research, guide students, publish papers, teach etc.) without affecting the primary responsibility at the Academy in any manner. The faculty position will be corresponding to the position of equivalence of the scientists, Directors, etc. of CSIR.

Item No. 12: Proposal for admission of CSIR Group III staff for PhD program of AcSIR

The Senate members deliberated in detail on the proposal received from the Lab Coordinator of CSIR-IHBT with due approval of the Lab Director for admission of a Group III staff for PhD program of AcSIR. Prof. A Juwarkar noted that even the Group IV scientists of CSIR are allowed to join the PhD program of AcSIR subject to meeting the stringent criteria set in the Ordinances. Prof. R Rajasekaran mentioned that AcSIR does not allow part time PhD for its students yet. Therefore, any employee cannot be a full-time student of AcSIR while drawing salary from his/her laboratory. Prof. BK Mishra commented that the CSIR recruitment rule does not encourage Group III employees for PhD. Prof. Prem Krishna and Prof. SK Bhattacharya opined that inbreeding of CSIR employees should not be encouraged at AcSIR.

The Senate did not decide in favor of allowing any Group III employee for PhD in AcSIR. Since enrollment for PhD from CSIR Labs is not limited to only AcSIR, the members of senate noted that interested candidate may like to explore other options.

Item No. 13: Request to allow Thesis submission before completion of minimum residency period

The request received from CSIR-NCL seeking permission for thesis submission before completion of minimum residency period for two of its students, Mrs. Deepti Mishra and Ms. Shruti Agarkar, was referred back to the Dean of Chemical Sciences who should review all the background documents and take the final decision. The Dean was advised to form a Committee under his Chairmanship and recommend its decision to the Chairman, Senate for approval. The Chairman suggested to include Dr. Shantanu Sengupta in the sub-committee. The Senate empowered the Deans of the concerned faculty to take a decision on similar cases after review of all academic documents and recommend the case to the Chairman, Senate for approval.

Item No. 14: Admission Related Items

i. Ratification of Admissions in PhD program (January 2014 session): The Senate ratified the admission of 386 students in the Ph.D. program in Science and Engineering for the January 2014 session across all the participating laboratories.

ii. Special consideration for admission of Mr. Praveen Rawat, CSIR-NISTADS: The Senate ratified the admission of Mr. Praveen Rawat of CSIR-NISTADS for enrollment from the January 2014 session as a special case.

Item No. 15: Course Related Items

The details of the approved new/modified courses are available at **Annexure A-1** of the MoM. It was advised by the Senate that wherever certain discrepancy remains with respect to the nomenclature and credit distribution, is to be corrected centrally by AcSIR and communicated to the respective Deans and Coordinators for updation.

i. Introduction of New Courses for PhD and IMP program:

The Senate ratified the introduction of new courses, duly approved by the Chairman, Senate on recommendation of the respective Deans at the following laboratories:

a. CSIR-NML in Engineering Sciences for PhD and IMP
b. CSIR-NIIST in Engineering Sciences for PhD
c. CSIR-IICT in Engineering Sciences for PhD
d. CSIR-NISTADS in Mathematical & Information Sciences for PhD
e. CSIR-4PI in Physical Sciences for PhD
f. CSIR-AMPRI in Engineering Sciences for PhD

ii. Modification of Courses

The Senate ratified the modification of the existing courses of the following laboratories:

a. CSIR-NML in Engineering Sciences
b. CSIR-4PI in Mathematical & Information Sciences
c. CSIR-NISTADS in Mathematical & Information Sciences

iii. PHFI courses for 2nd and 3rd semesters - Clinical Research

The Senate ratified the new courses for the Integrated MSc-PhD program in Clinical Research for the second and third semester offered jointly by PHFI and AcSIR.

iv. Post facto approval of CSIR-NIO Mathematics course

The Senate ratified the post facto approval accorded by the Chairman, Senate on the **Junior Level Mathematics (PHY-NIO-2-557)** offered at CSIR-NIO in order that the interest of the students taking the course is protected. However, the Senate strongly recommended that in the future no course would be introduced at any laboratory without proper authorization of the Dean and the Senate Chairman and such requests would not be entertained by the Senate. The Senate took a note of abstinence of Dr. Shankar Doraiswamy of CSIR-NIO in recording his approval for the course.

Item No. 16: Results of Viva Voce Examination for PhD Students

The Senate took a note of the results of Viva Voce Examination including the reports of the two external examiners of the thesis for all the students who have been awarded Provisional PhD degree upon successful completion of all requirements for their PhD degree. The Senate suggested that the current viva voce form containing a clause to be check if a candidate is recommended for 'honor of excellence' should be removed. Instead the OEB should make recommendation for award with specific reasons to make the process more stringent and objective. Accordingly the viva voce form will be modified.

Prof. N R Iyer suggested that a Committee will be formed to evaluate the theses recommended for an award of excellence.

ITEMS FOR INFORMATION

Item No. 17: Student Related Items

i. Inter-lab transfer of Student from CSIR-IICT to CSIR-NCL
The Senate noted the inter laboratory transfer of Mr. Valmik Shinde from CSIR-IICT to CSIR-NCL duly approved by the Chairman, Senate on recommendation of the Dean.

ii. Transfer from IISER, Thiruvananthapuram to CSIR-CFTRI

The Senate noted transfer of Ms. Greeshma M. at CSIR-CFTRI, Mysore from IISER, Thiruvanthapuram to AcSIR at CSIR-CFTRI. It also noted the Dean's recommendation to transfer 4 credits as per the Credit Transfer Policy of AcSIR. The student will have to complete 8 more credits from the coursework and then the mandatory credits requirements for Project Proposal, Review Article and CSIR-800 Project.

iii. Change of faculty of Studies at CSIR-CFTRI

The Senate noted the change of faculty for Mr. Rochak Mittal of CSIR-CFTRI from Biological Sciences to Engineering Sciences with due approval from the Chairman, Senate on recommendation of the concerned Dean.

Item No. 18: Updates and Clarifications with respect to the Faculty list of AcSIR

Faculty list of AcSIR

(a) New/Modified faculty lists received since 9th Senate meeting

The Senate noted the new and modified faculty lists received from the following laboratories as per the 'Faculty Guidelines of AcSIR' duly approved by the Chairman, Senate as authorized at the last meeting of the Senate:

The Senate noted that certain names of faculties as proposed by the Lab Coordinators, who do not meet the eligibility criteria as per the Faculty Guidelines of AcSIR, have not been considered for recognition as a faculty of AcSIR.

NEW FACULTY LISTS	
S. No.	**Lab Name**
1.	CSIR-CECRI
2.	CSIR-CSIO
3.	CSIR-OSDD/HQ
4.	CSIR-IMMT

MODIFIED FACULTY LISTS		
S. No.	**Lab Name**	**Modification type**
1.	CSIR-4PI	Promotions
2.	CSIR-CFTRI	Discipline
3.	CSIR-IGIB	Discipline
4.	CSIR-IICB	Promotions, Discipline
5.	CSIR-IITR	Additional Names
6.	CSIR-NPL	Discipline
7.	CSIR-NIO	Additional Names
8.	CSIR-NISTADS	Promotions
9.	CSIR-IICT	INSPIRE fellows (Additional Item)

Also, Laboratory Directors have all been designated as in such cases, AcSIR designation to Lab Directors is given as 'Outstanding Professors' as per Faculty Guidelines.

(b) Inclusion of Dr. Koyeli Mapa, QHF as Co-Guide at CSIR-IGIB

The Senate noted as per the Faculty Guidelines QHFs could be recognized as a faculty of AcSIR on meeting the prescribed eligibility criteria. The Senate recommended that the text for the Guidelines need revision that would reflect that QHFs could quality as a faculty but could only be a co-guide. The revised guidelines will be submitted at the next meeting of the Senate for record. As per the guidelines, Dr. Koyeli Mapa could act as a co-guide to students of AcSIR.

Item No. 19: 'In-principle' approval for MNRE fellowships

The Senate noted with appreciation the MNRE fellowships for Doctoral and Post-Doctoral studies to support research activities and human resource development in Wind, Solar and Wind-Solar Hybrid areas tenable at AcSIR as a continuation of the ongoing collaboration of MNRE and CSIR in Renewable Energy Sector.

Item No. 20: Appointment of Vigilance Officer at AcSIR

The Senate noted the approval received by the Board of Governors for Appointment of Vigilance Officer at AcSIR for efficient functioning and streamlining the activities of AcSIR in its initial phase of setting up. The Ordinances have been suitably amended by the Board of Governors to include the position and function of Vigilance Officer (Ordinance 9.4.2).

Item No. 21: Amendment in certain clauses of Statutes (Clause 17.1.2) and Ordinances (Clause 9.3 and 9.4) of AcSIR

The Senate noted the amendments in Clause 17.1.2 of the Statutes and Clauses 9.3 and 9.4 of the Ordinances of AcSIR. The amendments have been suitably incorporated in the Statutes and Ordinances of AcSIR.

Item No. 22: Appointment of Chief Mentor of AcSIR

The Senate noted with deep appreciation the decision of the Board of Governors of AcSIR to appoint Prof. Samir K. Brahmachari, former DG, CSIR and Vice Chairman, AcSIR as the Chief Mentor of AcSIR after his superannuation. It noted that the continued association of Prof. Brahmachari will help AcSIR to attain greater heights.

Additional Items for Discussion/Approval

Additional Item No. 1: Ratification of Admissions

The selection committee proceedings for admissions at CSIR-CCMB and CSIR-CRRI for PhD in Science and Engineering for the January 2014 session were received late. However, the Chairman, Senate accorded his approval on the admissions on recommendation of the concerned Deans. The Senate ratified the admissions of CSIR-CCMB and CSIR-CRRI.

Additional Item No. 2: Introduction of New Courses/Program

i. The Senate approved the introduction of the **IMP course at CSIR-CECRI** in **Chemical and Electrochemical Engineering**. The course has been duly approved by the Chairman, Senate on recommendation of the Dean Engineering Science.

ii. The Senate approved the introduction of **Integrated Masters-PhD program in Nutrition Biology** at **CSIR-CFTRI**, to be funded by the Department of Biotechnology (DBT).

Additional Item No. 3: Guidelines for consideration of Dual Faculty position

The members of the Senate directed that clarity is required for consideration of Dual Faculty positions at AcSIR. A small Committee is formed for formulation of the Guidelines having the following members:

Prof. SK Bhattacharya (CSIR-CBRI), Chairman
Prof. Amitava Sengupta (CSIR-NPL)
Dr. Vinod Scaria (CSIR-IGIB)
Prof. Rakesh Mohan Jha (CSIR-NPL)
Prof. Raj Singh (CSIR-CEERI)
Prof. Kunal Ray (AcSIR)

The Committee has been requested to submit its report before the next meeting of Senate scheduled for August 2014.

Additional Item No. 4: Process for student taking course from different faculty

The Senate members opined that on the request of the Supervisor (and the DAC, if such recommendation is rendered by it), a student can take any course offered by any other faculty of science and Engineering that would be relevant for his research.

Additional Item No. 5: Master program in collaboration with other universities and Establishment of Summer Training Program

i. Prof. Ram Rajasekaran mentioned that CSIR-CFTRI is taking part in joint Masters' program with University of Mysore and asked whether this program can be brought under the AcSIR banner?
ii. Dr. S Sengupta mentioned that AcSIR should look into establishment of a Summer Training Program similar to the one offered by JNCASR that would help AcSIR attain wider publicity.

The Chairman welcomed such proposals and stated that these could be looked into by the Senate and discussed at the next meeting. But initiation of such programs would require approval of the Board of Governors.

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

(Nagesh R. Iyer)
Chairman, Senate