



Academy of Scientific and Innovative Research

Seventh Meeting of the Senate

April 5, 2013, 11:00 am

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

Sl.No.	Name of the Member	Mode of Participation
1.	Prof. Gautam Biswas	In person
2.	Prof. Nagesh R. Iyer	In person
3.	Prof. Kunal Ray	In person
4.	Prof. Amitabha Chattopadhyay	In person
5.	Prof. Javed N. Agrewala	In person
6.	Prof. Vijaya Mohanan K Pillai	In person
7.	Prof. (Mrs) Asha A. Juwarkar	In person
8.	Prof. Pijush Pal Roy	In person
9.	Prof. Partha Banerjee	In person
10.	Prof. Shyam Sundar Rai	In person
11.	Dr. Shankar Doraiswamy	In person
12.	Dr. Vinod Scaria	In person
13.	Prof. Amitava Sengupta	In person
14.	Prof. Ram Rajsekharan	In person
15.	Prof. Prem Krishna	In person
16.	Dr. Shantanu Sengupta	In person
17.	Prof. Rakesh Mohan Jha	In person
18.	Prof. (Mrs) Santa Chawla	In person
19.	Prof. A. Ajayaghosh	Video Conference
20.	Prof. B.D. Kulkarni	Video Conference
21.	Prof. Vivek Ranade	Video Conference
22.	Prof. (Mrs) Lakshmi Kantam	Video Conference
23.	Prof. S.K. Bhattacharyya	Video Conference
24.	Prof. Dr. S. Srikanth	Video Conference
25.	Prof. B.K. Mishra	Video Conference
26.	Prof. R.K. Baruah	Video Conference
27.	Dr. Rajan Sankaranarayanan	Video Conference

Prof. P. Seshu, Prof. Dinesh Singh, Dr. Pronab Sen, Prof. (Mrs.) Suman Kumari Mishra and Dr. Poonam Arora could not attend the meeting due to prior commitments. Prof. K.S. Krishna was absent due to illness. They were granted leave of absence.

Professor Gautam Biswas, Acting Director, AcSIR and Chairman of the Senate welcomed all the members of the Senate and thanked them for participating in the seventh meeting of the Senate.

The Acting Director introduced and welcomed Prof. Kunal Ray who has taken charge as Associate Director (ad-hoc) of the Academy and Dr. Shantanu Sengupta, who has taken charge as an Associate Dean of Biological Sciences in place of Prof. Mitali Mukherjee who has expressed her time constraint in view of the commitment towards establishing 'Ayurgenomics'. He then proceeded to update the Senate about the actions taken on various items subsequent to the last Senate meeting. Reports on the Modalities of induction of Sponsored candidates in the MTech and PhD programme of AcSIR and Proposal for MS by Research for Engineering and Science Labs were placed to the Senate as a separate Agenda items. Constitution of Board of Studies for each faculty and Modalities for induction and involvement of Adjunct and Visiting Faculty are being reviewed currently in appropriate forum.

The Minutes of the 6th meeting of the Senate held on December 3, 2012 received no comments/suggestions from the members and was unanimously approved by all the members present.

Agenda Item No. 3: Senate members ratified Agenda Item No. 3 having laboratory-wise detailed information of selected candidates in the Ph.D programmes in Science and Engineering for the August 2012 and January 2013 academic sessions from the different CSIR laboratories which were recommended by the respective cluster Deans and approved by the Senate Chairman.

Agenda Item No. 4: Senate members ratified Agenda Item No. 4 concerning introduction of new courses of CSIR-CLRI in Biological Sciences, CSIR-CIMFR and CSIR-NIIST in Chemical Sciences and CSIR-NIIST under Physical Sciences for their Ph.D. programme. The courses have been recommended by the respective Cluster Deans and approved by the Chairman, Senate. As an additional item, the Senate also ratified the 300 level courses of CSIR-CIMFR for its Engineering Sciences.

Agenda Item No. 5: Item No. 5 pertaining to redistribution of credits on the MTech programme on Transportation Engineering offered by CSIR-CRRI was ratified by the members of the Senate. Minor modifications in credit distribution in Semesters III and IV were suggested by the programme coordinator. The Chairman accorded his approval on the proposed change on recommendation of the Dean of Engineering Sciences.

Agenda Item No. 6: The Senate was informed of deferment of enrollment of 8 students selected for the January 2013 session at CSIR-NISTADS in the faculty of MIS and of Ms. Priya Gupta of CSIR-NBRI of faculty of Biological Sciences till the August 2013 session. The deferment was approved by the respective cluster Deans and the Senate Chairman.

Agenda Item No. 7: The Senate was informed of the transfer of Ms. Ramya Vishvanathan, AcSIR PhD student enrolled in the January 2012 session from CSIR-CIMAP to CSIR-CFTRI due to transfer of her PhD Supervisor from CSIR-CIMAP to CSIR-CFTRI. The transfer was duly approved by the Dean of Biological Sciences and the Senate Chairman.

Agenda Item No. 8: The Senate noted the transfer of Ms. Selva Rupa Christinal and Ms. Deepanwita Das of August 2011 session and Mr. P. Kumar Raja of August 2012 session of CSIR-NCL, from faculty of Engineering Sciences to the faculty of Biological Sciences.

Also, 4 students of CSIR-CLRI, Duraipandy Natarajan, Adetoun Lawal, S Kavitha and P. Sathiamurthi, taking admission in the January 2013 session under the faculty of Chemical Sciences, were transferred to faculty of Biological Sciences.

In all the above cases the Deans of the concerned faculty accorded their consent considering the respective background of the students and the Senate Chairman approved the transfer on the basis of the recommendation of the concerned Deans.

Agenda Item No. 9: The Senate was informed of the request received from a student enrolled for PhD at CSIR-NBRI, Ms. Priya Gupta, to be allowed to complete her CSIR-800 project and thesis as a non-residential student. Owing to the merit of the request, the Dean of Biological Sciences recommended the case and was approved by the Senate Chairman.

Agenda Item No. 10: The Senate noted the approval received from the Senate Chairman for change of thesis guide for Ms. Payal Sanadhya enrolled at CSIR-CSMCRI for the August 2011 session from Dr. Asish Parida to Dr. PK Agarwal considering her research interest.

Also, the Senate Chairman had accorded his approval on change of PhD Thesis guide for Mr. P Kumar Raja of CSIR-NCL of August 2012 session from Dr. Ashish Orpe (Engineering Sciences) to Dr. J. M. Khire (Biological Sciences) on the recommendation of the concerned Deans, due to change in faculty.

Agenda Item No. 11: The Senate noted the provisional enrollment of Mr. Ayman Idris, DBT-TWAS Fellow from Sudan for the January 2013 session at CSIR-NIIST. The Senate Chairman had accorded in-principle approval on the provisional enrollment since his application to AcSIR for January 2013 session was not considered due to technical problems on the online admission portal. DBT-TWAS had approached AcSIR if the student could be provisionally enrolled or his fellowship would stand cancelled. On recommendation of the Dean of Biological Sciences, the Senate Chairman accorded his approval with the condition that the student will have to fill up the online admission form for the August 2013 session and his enrollment at AcSIR will be effective August from 2013 session. It was suggested by the members that such cases are unusual and may be considered on a case to case basis.

Agenda Item No. 12: The Senate in its in its earlier meetings had approved the admission of faculty members from AICTE approved Engineering Colleges in AcSIR for its PhD programme in Engineering Sciences and authorized Prof. Nagesh R. Iyer to act on behalf of the Academy in the selection process for such candidates. The selection committee met and selected 11 members, out of whom 7 members have been placed at the different CSIR labs (viz., CSIR-CEERI, CSIR-CMERI, CSIR-IICT and CSIR-NCL) who will join the PhD programme in Engineering Sciences for the August 2013 session at the respective labs. The Senate approved the selection and placement of the students at the participating labs as Sponsored candidates.

Agenda Item No. 13: The Senate approved the **academic requirement and fee structure for the Sponsored candidates for the M.Tech and Ph.D programme** of the Academy. The members agreed that the Sponsored candidates in the MTech programme can complete their coursework in 2 semesters as residential candidate and the project and thesis work in the next two semesters as non-residential candidates. The students enrolled in the PhD programme will have to complete their course work requirements as residential students in one semester. They may complete project-proposal writing, review article and CSIR-800 course in another semester as non-residential candidates. Comprehensive examination can only be allowed after completing 8 credits of coursework as a residential student.

Agenda Item No. 14: The proposal received for **recognition of non-CSIR scientists involved in co-guidance of an AcSIR student in his/her research along with an AcSIR faculty was approved by the Senate.** Such a scientist may be recognized by the Senate as a co-guide only and will be considered on a case to case basis by the Academy on recommendation of the Dean of the concerned faculty. Such scientists who are recognized as co-guides, have no other academic responsibility other than acting as a co-guide to a particular student for his/her research problem.

Agenda Item No. 15: The Senate members approved the award of Adjunct Faculty status to the following scientists of repute:

- Dr. Niyaz Ahmed** (CDFD, Hyderabad),
- Prof. Sir Tom L Blundell** (Cambridge University, UK),
- Dr. Nagasuma Chandra** (IISc, Bangalore),
- Prof. Deepankar Choudhury** (IIT, Bombay),
- Prof. Rajanish Dass** (Director Research at Great Lakes Institute of Management, Ahmedabad, India).
- Dr. Samik Ghosh** (The Systems Biology Institute, Japan),
- Dr. Hiraoki Kitano** (The Systems Biology Institute, Japan),
- Dr. Andrew Lynn** (JNU, New Delhi),
- Dr. A. K. Majumdar** (IIT Kharagpur),
- Prof. B. C. Majumdar** (Former Deputy Director, IIT Kharagpur),
- Dr. Siddharth Misra** (Tata Steel),

Dr. A. K. Mukherjee (Tata Steel),
Dr. T. Venugopalan (Tata Steel)
Mr. Bernard H Munos (InnoThink Center for Research in Biomedical Innovation
Indianapolis, USA)
Prof. H. S. Ray (Former Director RRL, Bhubaneswar),
Mr. Vikas Singh (Tata Steel),
Dr. R. Sowdhamini (NCBS, Bangalore),
Dr. David J. Wild (Indiana University, USA),

Agenda Item No. 16: The members of the Senate approved the proposals received for the introduction of two **Integrated MSc-PhD programmes in 'Clinical Research' and 'Health Informatics' from the Public Health Foundation of India (PHFI)**. These two academic programmes will be conducted jointly by PHFI and AcSIR for award of degrees.

Agenda Item No. 17: The Integrated MTech-PhD programme for the 2013 session was announced by the Chairman. It was proposed that the routes for intake of the students this year will be as (i) Trainee Scientists, Quick Hire Fellows (both CSIR positions, which are roster based and would require approval of RAB; their stipend will be met from funds of the respective labs), (ii) CSIR-NET (Engg.) and GATE-JRF qualified students (whose fellowships will be met by CSIR-EMR Division) and as (iii) Sponsored candidates under two categories: (a) as Industrial project sponsored candidates, and (b) Industry Sponsored candidates who will be solely sponsored by industries. The members approved the proposed routes for student intake for the Integrated MTech-PhD programme of AcSIR.

Agenda Item No. 18: With the introduction of CSIR-NET (Engineering) programme, the Integrated PhD (Direct PhD) programme of the Academy will be introduced from the August 2013 session, where candidates having BE/BTech can directly enroll for PhD in Engineering programme. For such students, the academic requirements will be as follows:

- **Admission to Integrated-Ph.D (Direct PhD) for students having B.Tech + GATE**
Credit requirement would be **24**(M.Tech Level) + **4**(PhD Level) + **8**(Proposal, Review and CSIR-800)
- **Admission to Integrated-Ph.D (Direct PhD) for students having B.Tech + 2 year experience as Project Assistant / CSIR-SRF/ Industrial Candidates**
Credit requirement would be **16**(M.Tech Level)+**4**(Ph.D Level)+**8**(Proposal, Review and CSIR-800)
- **Admission for Integrated-PhD (Direct PhD) for students having B.Tech or M.Sc + National level fellowship/Ranked First in the University/Institute**
Credit requirement would be **24**(M.Tech Level) +**4** (PhD level) +**8** (Proposal, Review and CSIR-800)

It was proposed by Prof. S. K. Bhattacharya and approved by the members that the category-II Industry Sponsored candidates should cover MTech level courses in 2 semesters (16 credits) and Specialized Masters level courses in the 3rd semester as residential candidates. However, for such candidates, the minimum residence may be reduced on a case to case basis.

The members of the Senate whole heartedly approved the credit requirements for the Integrated PhD (Direct PhD) programme.

Agenda Item No. 19: On recommendation of the Senate in its 6th Meeting, a Senate Committee was formed to formulate the guidelines for introduction of MS-Research programme in the Academy. The committee has submitted its report, recommending the required qualification for the students to be enrolled in the programme, course structure including duration of the programme and financial aspects with possibilities of the students being enrolled for the PhD programme of the Academy with specific recommendation of an Academic Committee to be set up at the participating institutes. This job oriented programme will develop job oriented highly skilled manpower. The selection criteria for such students would be same as the Project Assistant selection criteria, followed by the labs. It was also discussed that the coursework to be done by these students will be from an approved basket of courses and these courses will be more of tutorial and lab-based nature. The members of the Senate approved the proposal.

As an additional item, Prof. Javed Agrewala raised the issue of how to get the labs more involved in AcSIR in their PhD programme. It was proposed that the newly appointed Associate Director, Prof. Kunal Ray may take this opportunity to reach out more to the labs, especially those labs who have apprehension about joining the AcSIR programmes and disseminate the uniqueness of the Academy to attract the faculty and students more towards this programme. The Senate members whole heartedly supported this proposal.

In addition, another preliminary proposal has been received by the Academy from highly reputed Hyderabad Eye Research Foundation of LV Prasad Eye Institute, Hyderabad requesting to be associated with the Academy in its academic programme as an associate centre. The Senate members acknowledged the proposal and accorded its in-principle approval for this association. However, it was agreed that this proposal may be taken up from the initial level and some guidelines are to evolve so that the association may work well for both the organisations.

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


Chairman Senate, AcSIR
April 17, 2013