

Sixth Meeting of the Senate

3rd December 2012, 11:00 hrs

AGENDA



ACADEMY OF SCIENTIFIC AND INNOVATIVE RESEARCH

Anusandhan Bhawan, 2 Rafi Marg, New Delhi-110 001

Academy of Scientific and Innovative Research

Agenda for the Sixth Meeting of the Senate

3rd December, 2012; 11:00 hrs

Venue: Room No. 318, Anusandhan Bhawan, CSIR HQ, New Delhi-110 001

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INITIATION OF THE MEETING

- Item No. 1: Welcome Address by Acting Director, AcSIR and Chairperson of the Senate**
- Item No. 2: Action taken Report on the 5th Meeting of the Senate and Confirmation of the Minutes**

Item No. 2: Action taken Report on the 5th Meeting of the Senate and Confirmation of the Minutes

AcSIR had convened the 5th Meeting of the Senate on September 12, 2012 for endorsement of M.Tech (PGRPE-2010) results for award of M.Tech Degree in 2012, ratification of admission and course related issues and discussion on certain important issues by the Senate. The Action Taken Report on the same is enclosed as **Annexure – I**.

The Minutes of the 5th Meeting of the Senate of AcSIR held on September 12, 2012 is enclosed as **Annexure – II** for confirmation by the members of the Senate.

ITEMS FOR RATIFICATION

**Item No. 3: Ratification of admission to Ph.D
(Science & Engineering)**

**Item No. 4: Ratification of admission to M.Tech
(PGRPE-2012) batch at AcSIR**

Item No. 5: Ratification of courses for Ph.D (Science)

Item No. 6: Updated Faculty list of AcSIR

Item No. 3: Ratification of admission to Ph.D (Science & Engineering)

The admission of students for Ph.D programme in (Science and Engineering) of AcSIR for the August 2012 session has been completed and the session is on for the August 2012 academic session at the different laboratories. In all, **471** students have been selected in the Ph.D (Sciences) programme in the different cluster laboratories and **77** students have been selected for the Ph.D (Engineering) programme in the different laboratories. The admissions for a few labs were done at the 5th Meeting of the Senate on September 12, 2012. The admissions for the remaining labs need to be placed to the Senate for ratification.

Proposal: The lists of selected candidates (remaining admissions) in the different Ph.D programmes in Science and Engineering from the different laboratories with proper approval of the respective cluster Deans and the Chairman, Senate are being submitted to the Senate for ratification for the August 2012 academic sessions.

Annexure –III

Item No. 4: Ratification of admission to M.Tech (PGRPE-2012) batch at AcSIR

In May 2012, AcSIR, jointly with CSIR, advertised for PGRPE-2012 for admission to M.Tech degree at AcSIR. 13 laboratories of CSIR participated offering 18 programmes across the labs. A total of over 17,500 applications were received for all the programmes. The individual labs conducted their selection and a total of 126 students were selected for pursuing the M.Tech degree.

Proposal: The complete list of students being selected for the different courses of the M.Tech programme being offered by the participating Labs, duly approved by the Dean and the Chairman, Senate is enclosed for approval of the Senate.

Annexure –IV

Item No. 5: Ratification of courses for PhD (Science)

In an ongoing effort to keep the course content updated and to introduce new courses relevant to the programmes offered at the different laboratories, a few new courses have been introduced by the following laboratories which have received approval of the respective Deans and the Chairman of the Senate:

- CSIR - CDRI (Chemical Sciences) for Ph.d
- CSIR - CFTRI (Engineering Science) for Ph.d
- CSIR - CLRI (Chemical Sciences) for Ph.d
- CSIR - NEIST (Chemical Sciences) for Ph.d
- CSIR - NIIST (Chemical Sciences) for Ph.d

The Senate in its meeting held on September 12, 2012, approved in principle the course content for Ph.D. (Science and Engineering) offered by the five Faculty of study that has been restructured as per the guidelines for credit distribution and course nomenclature. Certain courses have been slightly modified in terms of credit distribution and course nomenclature. The revised courses offered by CSIR-URDIP (MIS) for Ph.D programme and CSIR-CMERI (Engineering Sciences) for M.Tech programme have been approved by the Senate Chairman.

Proposal: The new courses are being placed as **Annexure V** for ratification by the Senate.

The modified courses are being placed as **Annexure VI** for ratification by the Senate.

Item No. 6: Updated Faculty list of AcSIR

The Senate of AcSIR in its First Meeting held on February 2, 2011 approved around 2000 Faculty positions of AcSIR drawn from the talented pool of CSIR scientists. The faculty base is dynamic due to the assessment, promotion and superannuation of the faculty. As suggested by the Senate during its first meeting that the faculty list needs to be updated considering its dynamic nature, the Faculty list of AcSIR has been modified and updated.

Proposal: A complete list of Outstanding Professors, Professors, Associate Professors and Assistant Professors (drawn from the CSIR system) and of Academy Professor and Adjunct Professor (as approved by Senate and the Board of Governors) are being tabled for the approval of the Senate.

Annexure VII

ITEMS FOR INFORMATION

- Item No. 7: Revised format for Student Enrollment Number and AcSIR Employee/ Associates ID Number**

Item No. 7: Revised format for Student Enrollment Number and AcSIR Employee/Associates ID Number

AcSIR is now in the process of tying up with SBI for establishment of a direct debit model for collection of tuition fees from the students to make the process of fee collection smooth. In order to do so, the format for enrollment number has to reflect all details in a coded way so that it is easily recognizable and readable by the soft-wares used for the purpose. This enrollment number will also reflect changes in faculty, changes in programme etc. for easy traceability of any student during his/her tenure as a student of AcSIR.

Also, in order to keep track of all the employees of AcSIR and those who are associated with AcSIR, a format for Employee/Associates ID number has also been prepared.

Proposal: Both the Student's enrollment number and the Employee/Associates ID number have received the approval of the Senate Chairman. The new format for Student's Enrollment Number is enclosed as **Annexure VIII** and the format for Employees/Associates is enclosed as **Annexure IX** for information of the Senate.

ITEMS FOR DISCUSSION & APPROVAL

- Item No. 8: Composition of Comprehensive Examination Committee**
- Item No. 9: Credit Transfer Policy**
- Item No. 10: Inclusion of industrial candidate for M.Tech programme offered at CSIR-IIP**
- Item No. 11: Change of discipline of students at CSIR-IIP**
- Item No. 12: Award of Adjunct Faculty (CSIR-CMERI)**
- Item No. 13: Proposed guidelines for postgraduate AcSIR Engineering programs and MS by Research for Science and Engineering**
- Item No. 14: Proposed guidelines for enrollment of personnel from industry for PhD in AcSIR**

Item No. 8: Composition of Comprehensive Examination Committee

The Examination Committee of AcSIR, in its first meeting held at CSIR-CCB, Hyderabad on March 31, 2011, proposed the composition of the Comprehensive Examination Committee for each of the students enrolled for the Ph.D programme in Science and Engineering at AcSIR that the Committee would comprise of three members – thesis supervisor(s), one member from the same field of research and one member from other than the candidate's field of research and the Committee may have a maximum of 5 members. The proposal was subsequently ratified by the Senate.

Subsequently, the Chairman of the Examination Committee in consultation with the then Acting Chairman of the Board, proposed a small modification of the Committee which was subsequently approved by the Chairman of the Senate. Accordingly, the revised Comprehensive Examination Committee consists of the following members:

1. The DAC members
2. Director/most distinguished Scientist of the Institute nominated by the Director and
3. One external examiner

Now that a few students are nearing their coursework in different laboratories and are ready for their Comprehensive Examinations, a few Coordinators from Laboratories having very high number of students have raised a few concerns about conducting the Comprehensive Examination where it may not be possible for the Director/Distinguished Scientist to attend all the Committee meetings. Therefore a proposal has been received that the **Director/Director's nominee** who has demonstrated ability in guiding students could be one of the members apart from the DAC members. Also, it would be difficult to coordinate the Comprehensive Examination Committee meetings with external examiner where the number of students is very high. Hence requests have also been received to form the Comprehensive Examination Committee with internal members of any lab with experts from varying fields.

Proposal: The proposal for modification of the Comprehensive Examination Board has been endorsed by the Chairman of the Examination Committee and approved by the Chairman of the Senate. The proposal for modification of the Comprehensive Examination Board consisting of the following members is being placed at the Senate for approval:

1. The DAC members
2. Director/Director's nominee who has demonstrated ability in guiding students

Annexure X

Item No. 9: Credit Transfer Policy

Now that the number of students enrolled at different programmes, it is now important to have a formal Credit Transfer Policy of AcSIR in place to accommodate requests being received from enrolled students for transfer of credit earned under the following circumstances:

1. Taking course outside while being enrolled in AcSIR
2. Break in continuity (due to unavoidable circumstances) during enrollment/studies at AcSIR
3. Course completed/done at UGC accredited institutions and other reputed institutions such as IITs, NITs, BITS
4. Course completed/done at any Institute/ University abroad

A detailed report defining the various circumstances where transfer of credit for students enrolled in different programmes of AcSIR will be required and their modalities has been prepared for discussion and approval of the Senate.

Proposal: The proposal for Credit Transfer Policy of AcSIR is being placed as **Annexure XI** for discussion and approval of the Senate.

Item No. 10: Inclusion of industrial candidate for M.Tech programme offered at CSIR-IIP

CSIR-IIP who is participating in the M.Tech programme for 2012, has received a request to accommodate two students, Sh. Vandan Sharma and Sh. Mayur Rastogi, have been selected for their M.Tech programme on “Advanced Automotive Technology” from M/s. Alternative Innovations Private Limited, Faridabad for admission in the M.Tech 2012 Batch by a duly formed interview committee. The Chairman, Senate has accorded his in-principle approval for the admission. However, the Chairman, Senate has requested the Finance Committee to take up the issue of fees etc. for sponsored candidates and accord specific recommendation.

Proposal: The interview proceeding and the in-principle approval received from the Senate Chairman is enclosed as **Annexure XII** for approval of the Senate.

Item No. 11: Change of discipline of students at CSIR-IIP

AcSIR has received requests from the Coordinator of CSIR-IIP, Dehradun for changing the faculty of three students who are currently enrolled for Ph.D. Neelima Shah, Sheetal Bandhu and Vipin Amoli originally took enrollment in the faculty of Chemical Sciences. However, Neelima Shah and Sheetal Bandhu requested to have their faculty changed from Chemical Sciences to Biological Sciences and Vipin Amoli requested her faculty changed from Chemical Sciences to Physical Sciences. The Dean of the Chemical Sciences approved their request for the change from the Chemical Sciences faculty and the Deans of the Biological Sciences and physical Sciences accepted their request for change considering the fact that they have taken the required courses in their respective new faculties of study.

Proposal: The approval of the Dean of Chemical Sciences for the transfer and the Deans of Biological and Physical Sciences accepting them as students in their respective faculties is enclosed as **Annexure XIII** for approval of the Senate.

Item No. 12: Award of Adjunct Faculty at CSIR-CMERI

Currently the scientists of CSIR are considered as faculty for conducting courses and being guides and co-guides of students pursuing M.Tech and Ph.D programmes of AcSIR. Apart from that, a few very distinguished scientists of very high academic and international repute have been recognized by ASIR as Academy Professors.

In many cases, the CSIR laboratories conduct courses where leading scientists from outside the CSIR system take the courses and also it may help the students if they can be guided by the reputed academicians in their research work. These leading scientists from outside the CSIR system may be considered and recognized as “Adjunct Faculty” of AcSIR where they can advise students on their research problems and also be a co-guide with an AcSIR Faculty from the CSIR system being the formal Guide of the student.

A proposal has been received from CSIR-CMERI for inclusion of two distinguished experts, Prof. Suman Chakraborty (IIT, Kharagpur) and Prof. Dipankar Banerjee (IIT, Guwahati) to be considered for adjunct faculty position in AcSIR in the faculty of Engineering Sciences. Their rich experiences in their own respective domains will add strength to the faculty of Engineering Sciences.

Proposal: The resumes of the following experts in the Engineering field are enclosed as **Annexure XIV** for approval of the Senate:

Item No. 13: Proposed guidelines for postgraduate AcSIR Engineering programs and MS by Research for Science and Engineering

A proposal have been received at AcSIR proposing the guidelines including the minimum eligibility criteria for admission into the different programmes and the individual credit requirement, procedure for conducting the examination etc. for each of the Post Graduate programmes in Engineering offered by AcSIR

- 1.M Tech program
- 2.PhD program
- 3.Integrated PhD program
- 4.MS-Research

Another proposal has been received for introduction of MS-Research programme at AcSIR involving the Project Assistants and sponsored industrial candidates.

Proposal: The detailed guidelines as proposed by Dr. Ashish Lele, CSIR-NCL and former member of the Senate for the different Post Graduate programmes in Engineering offered by AcSIR is enclosed as **Annexure XV** and the proposal received from Dr. Shantanu Sengupta, Coordinator, CSIR-IGIB for introduction of the MS-Research programme in Science is enclosed as **Annexure XVI** for discussion and approval of the Senate.

Item No. 14: Proposed guidelines for enrollment of personnel from industry for PhD in AcSIR

A proposal was received for enrollment of personnel from the industry for the Ph.D programme of AcSIR outlining the guidelines for selection, minimum educational qualification etc. for the industrial personnel to enroll for Ph.D at AcSIR.

Proposal: The proposal received from Dr. Ashish Lele, former member of the Senate, for enrollment of Industrial personnel for the Ph.D programme of ACSIR is enclosed as **Annexure XVII** for discussion and approval of the Senate.