

Minutes of the Eleventh Meeting of the
Council of the Institutes of Technology
held on 23rd December, 1972, in New Delhi.

Present :

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| 1. | Prof. S. Nurul Hasan, Minister for Education and Social Welfare. | Chairman |
| 2. | Prof. S.K. Bose, Director, Indian Institute of Technology, Kharagpur. | Member |
| 3. | Dr. L.S. Chandrakant, Educational Adviser (Tech.) | ," |
| 4. | Shri Chalapati Rao, General Manager, Diesel Locomotive Works, Indian Railways, Varanasi. | ," |
| 5. | Shri K.P. Chandy, Chairman, Board of Governors, Indian Institute of Technology, Madras. | ," |
| 6. | Dr. B.D. Nag Chaudhuri, Chairman, Board of Governors, Indian Institute of Technology, Delhi. | ," |
| 7. | Dr. S. Husain Zahoor, Chairman, Board of Governors, Indian Institute of Technology, Kanpur. | ," |
| 8. | Dr. P.K. Kelkar, Director, Indian Institute of Technology, Bombay. | ," |
| 9. | Prof. P.J. Madan, Pro-vice-Chancellor, M.S. University, Baroda. | ," |

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| 10. | Shri U.N. Mahida, Member of Parliament. | Member |
| 11. | Shri O.P. Mohla, Deputy Financial Adviser | ,, |
| 12. | Dr. M.S. Muthana, Director, Indian Institute of Technology, Kanpur. | ,, |
| 13. | Dr. A. Ramachandran, Director, Indian Institute of Technology, Madras. | ,, |
| 14. | Shri Sarjoo Pande, Member of Parliament. | ,, |
| 15. | Dr. H.N. Sethana, Chairman, Board of Governors, Indian Institute of Technology, Bombay. | ,, |
| 16. | Dr. N.M. Swani, Acting Director, Indian Institute of Technology, Delhi. | ,, |
| 17. | Mr. Biman Sen, Deputy Educational Adviser (Tech.) | Secretary |

Dr. D.S. Kothari, Dr. Y. Nayudamma,
Shri Biren Mukherjee, Prof. R. Choksi,
Dr. S. Dhawan, Dr. M.N. Dastur, Shri G.
Pande, Dr. S.M. Patil and Shri Bhaosahaib
Dhamankar regretted their inability to
attend.

Item No. 1 : To confirm the minutes of the 10th meeting of the Council held on 11th December, 1971.

The Council confirmed the minutes of the 10th meeting held on 11th December, 1971, with the following amendment to Item No. 7(d) -

"The Council accepted the recommendations of the Committee. In regard to (ii), however, it was decided that before it is implemented, the matter may be examined in relation to the Merit-cum-Means Scholarship Scheme. It was also noted that this proposal would have to be implemented within the overall resources of the Institutes".

Item No. 2 : To report the action taken on the minutes of the 10th meeting held on 11th December, 1971.

As for the inclusion of other all-India institutions, like the Institute of Technology, Banaras Hindu University, in the Scheme of IITs Joint Entrance Examination, the Council noted that Dr. D.S. Kothari had since suggested that the Ministry of Education should appoint a committee to examine the matter in detail.

The Chairman expressed his serious concern about the poor representation of students belonging to the Scheduled Castes and Scheduled Tribes in the admissions made to the Institutes of Technology. He suggested that

special efforts must be made to attract larger numbers of Scheduled Castes and Scheduled Tribes students and also to give them special facilities at the Institutes to come upto the level of other students. He also suggested that the Institutes may devise ways and means of attracting a larger proportion of students from low-income groups and other under-privileged sections of our Society. The Council agreed with the suggestion and decided that a special committee as below should be appointed to go into the matter in detail, including the modifications that need to be made in the Scheme of Joint Entrance Examination :

1. Shri K.L. Chandy
2. Dr. P.K. Kelkar
3. Dr. A. Ramachandran
4. Dr. M.S. Muthana
5. Dr. N.M. Swani

The Council also decided that the above Committee should examine the place of English within the scheme of Joint Entrance Examination. Further, pending the receipt of the report of the Committee and the decision of the Council on it, English should only be a qualifying subject for the 1973 Entrance Examination and the marks obtained in the subject should not be taken into account in the preparation of the merit list. For students whose knowledge of English

is poor or inadequate, provision for special coaching in English should be made.

The Chairman suggested that one of the important ways and means of reducing the cost of education for individual students is to establish at each Institute a Book Bank to help poor students. The Council decided that the Directors should formulate detailed proposals in this regard in consultation with their Chairmen and forward them to the Ministry for making appropriate financial provision. It was noted that the cost of each Book Bank would be about Rs. 3 lakhs.

The Council decided that the Institutes should encourage exchange of faculty and students among themselves.

As regards grant of housing loans to the staff of the Institutes, the Council requested Shri K.T. Chandy to explore the possibilities of getting assistances from the L.I.C.

The Council decided that the Institutes should expedite collection of data regarding the admissions made in the last three years and their detailed analysis as discussed at the 10th meeting.

Item No. 3 : To report the changes in the membership of the Council.

On behalf of the Council, the Chairman welcomed the new members, Dr. S. Husain Zaheer, Shri K.T. Chandy
.....6/-

and Dr. B.D. Nag Chaudhuri.

The members welcomed Prof. S. Nurul Hasan Minister for Education and Social Welfare as the Chairman of the Council.

The Council placed on record its appreciation of the valuable services rendered by Prof. M.S. Thacker, Shri H.V.R. Tongar and Shri Padampat Singhania who had since ceased to be members.

Item No. 4 : To receive a report on the analysis of the admissions to the Institutes during 1972-73.

The Council noted that it has discussed this item in detail under Item No.2.

Item No. 5 : To report on the progress of the work of Reviewing Committees.

The Council noted that the Ministry had requested the Chairman of the Reviewing Committees for IIT Kanpur and IIT Bombay to expedite their respective reports.

The Council decided that the reports of the Reviewing Committees should be sent to their respective Institutes and their Boards of Governors requested to give their comments/views on the findings and recommendations of the Committees. The reports of the Reviewing Committees alongwith the views/comments of the Boards of Governors of the Institutes should be

considered by a special Committee as below :

1. Dr. S. Husain Zaheer
2. Shri K.T. Chandy
3. Dr. B.D. Nag Chaudhuri
4. Education Secretary
5. Educational Adviser (Tech.)

The special committee should coordinate the recommendations of all the Reviewing Committees and formulate an integrated plan of action for the consideration of the Council. A special meeting of the Council should be held for the purpose in May 1973. The final recommendations/proposals of the Council should then be submitted to the Visitor.

Item No. 6 : To report on the annual progress of the Institutes.

The Council decided that hereafter the enrolments for research should be shown separately for full-time research scholars and for the members of the faculty of the Institutes.

The Council decided to invite the attention of the Board of Governors, IIT Kharagpur regarding unduly higher enrolments in the undergraduate courses vis-a-vis enrolments in the postgraduate courses and research.

The Council also decided to request the Board of Governors of IIT Kharagpur to take such corrective

action as may be deemed necessary to reach a more balanced distribution of enrolments at different levels to ensure optimal utilisation of the resources of the Institute for postgraduate courses and research.

Item No. 7 : To consider the Revised Estimates for 1972-73 and Budget Estimates for 1973-74 and to recommend to the Central Government the allocations to be made in 1973-74.

The Council expressed concern over the reduction made by the Finance Committees of the Bombay and Madras Institutes in the 1972-73 Revised Estimates (Non-Plan) vis-a-vis the Budget Estimates. The Council expressed the view that such a heavy reduction will affect the satisfactory working of the Institutes and therefore decided to recommend that the Revised Estimates (Non-Plan) for 1972-73 should be at least the same as the budget provision made.

The Council recommended the Budget Estimates (Non-Plan) for 1973-74 as proposed by the Finance Committees of the Institutes subject to the modification that the estimates for IIT Bombay should provide for the normal increase of at least $3\frac{1}{2}$ per cent over B.E. 1972-73.

As for plan budget for 1973-74, the Council examined the position in detail as explained in the note prepared by the Ministry. The Council noted that the main difficulty of the Institutes arose because of the adjustments made of the value of the equipment received from various aid-giving countries against the plan provision of the Institutes.

The Council authorised the Chairman to take up with the Deputy Chairman, Planning Commission the question of treating the value of the equipment received by the Institutes as an additionality to their plan allocation. The Directors of the Institutes were requested to send self-contained notes to the Ministry for the purpose before the end of December. Subject to this modification, the Council recommended the Revised Estimates for 1972-73 and Budget Estimates for 1973-74 as proposed by the Finance Committees.

Item No. 8 : To consider the position of the staff of students messes vis-a-vis administration of the Institutes.

The Council expressed the view that if the kitchens of students' messes were modernised and improved, the service would be better and also the expenditure to the students could be reduced. The Council suggested that each Institute should examine this matter in detail and, if necessary, secure the services of suitable experts to modernise the kitchens and improve their efficiency.

The Council decided that wherever an Institute wished to implement the scheme for mess staff as approved by the UGC for Central Universities, it should be free to do so and that the necessary funds should be made available to the Institute. The Council also decided that a special committee as below should be set up to go into the question of the pay scales and other terms and conditions of service of mess employess and make recommendations for consideration at the special meeting to be held in May 1973.

1. Shri O.P. Mohla,
Deputy Financial Adviser.
2. A representative of the UGC.
3. Secretary, Council of the Institutes
of Technology.

Item No. 9: Formulation of the Fifth Five-Year Plan of Indian Institutes of Technology.

The Council requested the Institutes to expedite the formulation of their Fifth Five Year Plan and submit them before the end of February 1973. The Council further decided that as soon as the plans were received they should be coordinated by the Committee set up under Item No. 5 in connection with the reports of the Reviewing Committees, and that the final proposals of the Committee should be considered at the special meeting to be held in May 1973.

Item No. 10: To review the position regarding policy followed by each Institute in giving senior scale to the Professors (in the ordinary scale).

The Council noted the present position at each Institute as explained in the revised agenda note.

The Council decided that for granting the senior scale of Rs. 1600-1800 for Professors already serving at the Institutes in the ordinary scale, the following criteria should be adopted:

- (i) The total number of Professors in the senior scale at any one time should not exceed $33 \frac{1}{3}$ per cent of the total sanctioned posts of Professors.
- (ii) Only those Professors who have put in a minimum of five years' satisfactory service and made the requisite contribution to research should be eligible for consideration.

In order to recognise outstanding Professors and other teachers and to encourage them, the Council decided that each Institute may implement either the merit promotion scheme as approved

by the Cabinet or the Personal Promotions Scheme as adopted by the Indian Institute of Science, Bangalore.

Item No. 11: To receive a report on the analysis of the pattern of recurring expenditure and per student cost in the Institutes of Technology 1968-69.

The Council decided that each Institute should carry out an analysis of the per capita student cost and pattern of expenditure for 1971-72 adopting the methodology developed by the Institute of Applied Manpower Research. The analysis carried out by the Institutes should be coordinated by the Secretariat and a report submitted to the Council for consideration at the May 1973 meeting.

Item No. 12: A note for consideration on the rules for determining seniority of Professors.

The Council decided that all such matters should be decided by the Boards of Governors of the Institutes within the framework of the IIT Act and Statutes.

Item No. 13 : To consider a note received from the Director, IIT Kanpur.

(i) Recognition of Workers' Union, Karamchari Sangh, Staff Unions, Teachers' Unions etc.

The Council noted that all these unions or associations could not be recognised as trade unions. The Council, however, decided that each Institute may recognise appropriate unions/associations of the staff and other employees for purposes of establishing a suitable consultative machinery similar to the

Scheme of Joint Consultative Machinery in operation in the Central Government.

(ii) Scholarships and Freeships

The Council decided that full freeships should be granted to all students whose parental income does not exceed Rs. 500/- subject to the limits of the budget provision available. The Council decided that the value of merit-cum-means scholarships in the undergraduate courses should be increased to Rs. 100/- in line with the present provision under the National Scholarships Scheme of the Central Government. This is, however, subject to further revision depending upon the decision on a revised scheme of scholarships which is under the consideration of the Central Government. As for increasing the number of scholarships to cover 40 per cent of the students, the Council noted that the matter was already under detailed examination by the Ministry of Education in consultation with the Ministry of Finance.

Additional Item No. 1 : To consider the recommendations of the Directors regarding the revision of the pay scales of Security Officers.

The Council decided that the pay scale of Security Officers should be revised to Rs. 400-40-800-50-950.

Additional Item No. 2: To consider a note received from the Indian Institute of Technology, Delhi

(i) Recognition of Employees Union

The Council noted that it had discussed this matter under Item No. 13(i).

(ii) Avenues of Promotion

The Council decided that a committee consisting of the Directors of IITs and DFA should examine the matter in detail and formulate a uniform scheme for all the Institutes.

(iii) Rationalisation of the pay scales

The Council decided that the UGC pay scales should be made applicable to the Administrative and library staff as below:

| <u>Post</u> | <u>Revised scale according to the UGC</u> |
|-----------------------------------|---|
| Registrar | Rs. 1100-50-1300-60-1600 |
| Dy. Registrar | Rs. 700-50-1250 |
| Asstt. Registrar | Rs. 400-40-800-50-950 |
| Librarian | Rs. 1100-50-1300-60-1600 |
| Dy. Librarian | Rs. 700-50-1250 |
| Asstt. Librarian | Rs. 400-40-800-50-950 |
| Sr. Physical Training Instructor. | Rs. 400-40-800-50-950 |

The Council decided that the qualifications etc. for the posts of Librarian, Deputy Librarian and Assistant Librarian should be the same as those prescribed by the UGC, excepting that for the post of Librarian a formal degree or diploma in Library Science should not be insisted upon but that scholarship of a high order in any branch of knowledge should be prescribed.

(iv) Creation of an independent cadre of Stenographers

The Council did not consider it desirable to have an independent cadre of Stenographers at each Institute. The Council, however, decided that the committee appointed under

Item No. (ii) may examine the question of providing adequate promotion opportunities to Stenographers within the overall administrative/ministerial cadres.

- (v) Provision of adequate facilities for study leave to technical and ministerial staff.

The Council noted that Statute 9(7) and 15 of the Leave Schedule provide for the necessary rules being framed by each Board for the grant of study leave to technical and ministerial staff. The Council decided that the Board of Governors of each Institute should frame the rules to ensure that the technical and ministerial staff have adequate opportunities for further study or training.

Additional Item No. 3: To consider the proposal for the revision of pay scales of the staff (faculty) at the IITs.

The Council decided that this matter should be examined after the reports of the UGC Committee on the Governance of Universities and the Third Pay Commission were available.

The Council noted that Statute 15(1) provides sufficient scope to each Board to appoint an eminent person on contract and also to give him appropriate terms, including salary.

Additional Item No. 4: To consider the question of establishing at the Institutes of Technology a suitable consultative machinery to resolve the grievances of Class III & IV employees.

The Council decided that each Institute should examine

the Scheme of Joint Consultative Machinery in operation in the Central Government and adopt a similar scheme for the redressal of the grievances of employees in respect of recruitment, promotion and other service conditions.

Additional Item No. 5: To consider a note from the Indian Institute of Technology, Kharagpur, on continuance of

- (i) 5-year integrated B.Sc./M.Sc. course in Applied Geology and Exploration Geophysics; and
 - (ii) 3-year B.Sc. (Hons.) courses in Chemistry, Mathematics and Physics.
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The Council decided that the Board of Governors of the Kharagpur Institute should make its own decision on these matters according to the IIT Act and Statutes.

The meeting terminated with a Vote of Thanks to the Chair.

of Secondary Education. On passing the examination, they will be directly admitted into the respective IITs without any further tests/interview. The IIT faculties will help and advise the Central Schools in course work and laboratory.

2. The SC/ST candidates who have completed their Higher Secondary Examination or equivalent thereof be admitted for preparatory 2-3 months course prior to the commencement of the IIT sessions.

3. The SC/ST candidates who have passed the Higher Secondary Examination or equivalent and who appear in the Joint Entrance Examination be admitted against the quota reserved for SC/ST candidates on the basis of their performance in the Joint Entrance Examination.

4. In order to provide special facilities and support, several suggestions were made by the members and they are listed below :

- (a) Free Tuition
- (b) Exemption of hostel seat rent
- (c) Book grant of Rs. 300/- per year
- (d) In addition to the scholarship entitled to them they should be given an additional amount to cover boarding and other incidental expenditure amounting to Rs. 50/- p.m. (total amount will be Rs. 150/- p.m.).

Report of the Committee constituted by the Council of the Institutes of Technology regarding admission of Scheduled Caste and Scheduled Tribe candidates.

The following were present :

1. Shri K.T. Chandy Chairman
2. Dr. P.K. Kelkar
3. Dr. A. Ramachandran
4. Dr. M.S. Muthana
5. Prof. Karunes, IIT, Delhi
6. Dr. L.S. Chandrakant
7. Shri Biman Sen

The Committee discussed at length the question of admission of students belonging to SC/ST in the Institutes of Technology. In order to attract larger numbers of SC/ST students, the Committee considered various suggestions put forward by the members. It also discussed what special facilities and support should be given to these students so that they may be in a position to complete their courses. The following possibilities were discussed :

1. Admission of SC/ST students to the Central Schools located in the campuses of IITs after completing their High School so as to enable them to complete the Higher Secondary Examination conducted by the All India Board

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5. Scholarship rules for SC/ST be different from the general scholarship rules at present prevalent.

6. In order to enable weaker students to prosecute their studies successfully in the IITs, suggestions were made that a summer session be organised in the IITs and, where necessary, parallel semester instruction in various subjects be arranged.

7. Financial incentives be given to faculty members who offer special instruction during summer session. Additional faculty may be required to arrange special instructional programmes to cater to the needs of the weaker students.

The Committee, after considering the above, recommends that the following be implemented during the coming academic session 1973-74:

(1) All SC/ST candidates who have passed the Higher Secondary Examination or equivalent be admitted against the quota reserved for them on the basis of their performance in the Joint Entrance Examination. Their performance should,

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156

in no way, be related to the minimum standards prescribed for the general candidates for qualifying at the Joint Entrance Examination.

(2) All SC/ST candidates be given free tuition, exemption of hostel seat rent and a scholarship of Rs.150/-p.m. to cover board expenses and a book grant of Rs.300/- per year.

(3) In order to enable such as those SC/ST students who need special instruction as also other weaker students, summer sessions and where necessary parallel semester instruction in various subjects be arranged in the IITs. Additional funds be made available for additional faculty for the above purpose.

(4) A systematic evaluation of the performance of these students be made and a report submitted to the Council at the end of each year.

Sd/- K.T. Chandy
6.2.73

Sd/- P.K. Kelkar
6.2.73

Sd/- A. Ramachandran

Sd/- M.S. Muthana
6.2.73

Approved on
behalf of the
Council of IITs.

Sd/- S. Nurul Hasan
10.2.73