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The Council of Indian Institutes of Technology held its 16th meeting at New Delhi in two sessions. The first session was held on the 24th May, 1976. The following were present:-

1. Prof. S. Nurul Hasan	Chairman
2. Shri R.P. Billimoria	Member
3. Dr. A.K. Bhattacharyya	Member
4. Dr. Rajat Kumar Chakravarti	Member
5. Dr. Satish Chandra	Member
6. Shri K.T. Chandy	Member
7. Dr. A.K. De	Member
8. Dr. S. Dhawan	Member
9. Prof. R.N. Dogra	Member
10. Prof. C.S. Jha	Member
11. Shri S.K. Mukherjee	Member
12. Dr. Y. Nayudamma	Member
13. Dr. K.A.V. Pandalai	Member
14. Dr. R. Ramanna	Member
15. Shri H.S. Shahani	Member
16. Shri M.M. Suri	Member
17. Dr. N.M. Swani	Member
18. Prof. G. Tripathi	Member
19. Shri R.N.P. Sinha, Dy. Financial Adviser (Edn.) Ministry of Finance representing Shri Prem Nath, Financial Adviser.	Member
20. Shri S. Vedantham	Secretary.

Apologies for inability to attend the meeting have been received from the following members:-

1. Shri G.K. Chandiramani
2. Shri M.L. Dhar
3. Shri Bhaosahib Dhemankar
4. Shri A.N. Haksar
5. Shri Sarjoo Pande
6. Shri M.G.K. Menon
7. Shri M.A. Wadud Khan.

The Council noted the change in its membership and welcomed Dr. A. Bhattacharyya, Director, IIT Kanpur a new member in place of Dr. Jagdish Lal.

16.1.1 The Council considered the Nayudamma Committee report as well as the letter received by the Chairman from Prof. M.G.K. Menon, a member of the Council. The Council thanked Dr. Nayudamma, who had accepted the chairmanship of this extremely important Committee, and all its members as well as the faculty and other research workers who helped in the preparation of its report.

16.1.2 The Council noted that these centres in the IITs have been conceived as focal points of activities so that a substantial part of the institution's own resources, viz. faculty, students and technical staff are made available for the growth of these centres. The Council noted that an Advisory Committee has been suggested to promote inter-institutional collaboration between these centres and other institutions of research in the country and that the centre will be free to solicit funds from industry, government and other agencies. To that extent, the Council felt that the Advisory Committee of these centres should have a flexibility of coordination between these centres and other institutions, and scientifically act as lead centres. The Council noted that already in the report, there is enough indication about the manner in which the IITs are collaborating with other institutions including foreign institutions and what further collaboration is sought. The Council also noted that facilities available in the Centres are open to research workers of other institutions without charge and that research workers in these centres will like-wise

utilise facilities in other institutions. In the view of the Council, specific collaboration with other institutions of higher learning in the university system and advanced research laboratories are important.

16.1.3 The Council resolved that in accordance with the Nayudamma Committee report, the following five centres in the five IITs should be established:

<u>Name of Centre</u>	<u>Name of Institute</u>
Material Science	IIT Kanpur
Cryogenic Engg.	IIT Kharagpur
Energy Studies	IIT Delhi
Ocean Engg.	IIT Madras
Resources Engg.	IIT Bombay

16.1.4 The Council resolved that additional funds should be provided as indicated below for the remaining period of Five-Year Plan (viz. 3rd, 4th and 5th years of the Five-Year Plan):

<u>Name of the Centre</u>	<u>Rs. in lakhs</u>
Material Sciences	150
Cryogenic Engg.	33
Energy Studies	115
Ocean Engg.	100
Resources Engg.	115
Total	<u>563</u>

16.1.5 The Council strongly recommended to the Central Government for the provision of Rs. 563 lakhs additionally to be disbursed to the IITs for these centres.

16.1.6 The Council resolved that organisational structure, goals etc. as recommended by the Nayudamma Committee be generally followed and that the Advisory Committee, as indicated by Nayudamma Committee, be constituted in each IIT with the

i) Instead of "one member nominated by the Education Ministry", it should read as "one expert in the field nominated by the Chairman of the Council".

ii) Instead of "one member nominated by the CSI" it should be "one expert nominated by the D.G., C.S.I.R."

iii) In addition, the Advisory Committee should also include one expert in the field to be nominated by the Chairman, U.G.C.

iv) The Council resolved that it is necessary that the Advisory Committee should ensure scientific cooperation between IITs and other institutions of importance like universities, national laboratories and industrial laboratories.

v) The Council resolved that the Advisory Committee should examine the plan programmes, priority and progress of each centre periodically.

vi) The Council also resolved that the Advisory Committee should send annual report on these centres to the Council for their evaluation.

16.1.7 The Council resolved that while funds for the centre will be the part of the Institute's Fund in accordance with the IIT Act, it resolved that the earnings by the centre should not be deducted for the purpose of determining the grant for the centres.

Item No. 2: To consider the amendments to the Statutes as recommended by Haksar Committee.

The recommendations of the Haksar Committee on the revision of the Statutes of the IITs were considered by the Council and the following decisions were taken:-

- 16.2.1 Statute 4(i)(a): The amendment proposed by the Committee was accepted.
- 16.2.2 Statute 4(i)(e): The amendment proposed was accepted along with the proviso proposed by the Sectt. and it was decided that 'seniority may be as defined in the Central Universities and the same may be incorporated in consultation with the Ministry of Law.
- 16.2.3 Statute 4(2)(i): It was decided that in the existing provision addition to made that the Senate will supervise the co-curricular activities of the students of the Institute.
- 16.2.4 Statute 4(4): The amendment with the addition proposed by the Secretariat of the Council was accepted.
- 16.2.5 Statute 5(i)(c): It was decided that the existing provisions may stand.
- 16.2.6 Statute 6(i): The amendment proposed by the Committee was not agreed to.
- 16.2.7 Statute 9(2): While the limit of re-appropriation in the amendment proposed by the Committee was considered on the high side, the suggestion made by the Secretariat to raise the ceiling from Rs.10,000/- to Rs.50,000/- was approved.
- 16.2.8 Statute 9(3): The amendment proposed by the Committee was accepted.
- 16.2.9 Statute 9(4): The Council agreed that the power to write off irrecoverable losses may be raised from Rs.1,000 to Rs.5,000 and of irrecoverable value of Stores lost to reduced unserviceable due to fair wear and tear from Rs.5,000 to Rs.25,000.

16.2.10 Statute 9(6):

The Council decided that the amount of emoluments and the period for which daily wage appointment are to be made may be decided by the individual Board of Governors. The nature of appointment will be 'casual'.

16.2.11 Statute 12(3)(e):

The amendment proposed by the Committee was accepted.

16.2.12 Statute 12'13):

The amendment proposed by the Committee was accepted.

16.2.13 Statute 18(1):

The amendment proposed by the Committee was accepted.

16.2.14. Statute 18(2) (a) and (b):

The amendments proposed by the Committee were accepted.

16.2.15 Statute 22(1) (e)(ii):

No fixed rate of Gymkhana fee should be prescribed in the statutes. The rate to be charged should be left to the Board of Governors to be determined from time to time.

16.2.16 Statute 22(2):

The amendment proposed by the Committee was accepted. (It was clarified that the last para of the existing statute was not intended to be deleted and would remain as it is).

16.2.17 Statute 9(5):

The amendment proposed by the Committee was accepted with the proviso suggested by the Sectt.

16.2.18 Statute 9(14):

The amendment proposed by the Committee accepted.

16.2.19 Statute 10:

The Council decided not to make any change in the existing statute.

The Council decided to meet again on 1st June, 1976 to consider the remaining amendments recommended by the Committee.

MINUTES OF THE 16TH MEETING OF THE COUNCIL OF INDIAN INSTITUTE OF TECHNOLOGY HELD AT 11 A.M. ON 31ST JULY 1976 AT SHASTRI BHAVAN, NEW DELHI (2ND SESSION).

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The Council of Indian Institutes of Technology held the second session of its 16th meeting on July 31, 1976 in Room No.127/C, Shastri Bhavan, New Delhi. The following members were present:-

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| 1. Prof. S. Nurul Hasan | Chairman |
| 2. Dr. A. Bhattacharyya | Member |
| 3. Dr. Rajat Kumar Chakra-barti | Member |
| 4. Shri G.K. Chandiramani | Member |
| 5. Shri K.T. Chandy | Member |
| 6. Dr. A.K. De | Member |
| 7. Shri Bhaosahib Dhamankar | Member |
| 8. Dr. M.L. Dhar | Member |
| 9. Prof. R.N. Dogra | Member |
| 10. Shri A.N. Haksar | Member |
| 11. Prof. C.S. Jha | Member |
| 12. Shri M.G.K. Menon | Member |
| 13. Shri S.K. Mukherjee | Member |
| 14. Dr. K.A.V. Pandalai | Member |
| 15. Dr. R. Ramanna | Member |
| 16. Dr. N.M. Swani | Member |
| 17. Shri B.N. Tandon | Member |
| 18. Shri R.N.P. Sinha | Member |
| representing Shri Prem Nath,
Financial Adviser, M/Finance | Member |
| 19. Shri I.U. Ramchandani | |

Secretary

Apologies for not being able to attend the meeting were received from the following members:-

1. Dr. Satish Chandra
2. Dr. S. Dhawan
3. Dr. Y. Nayudamma
4. Shri Sarjoo Pandey
5. Shri R.P. Billimoria
6. Dr. M.M. Suri

Shri H.S. Shahani, Joint Educational Adviser (T) in the Ministry of Education and Social Welfare, who was previously a member of the Council, also attended the meeting.

Prof. A.P. Jambulingum, Principal, Technical Teachers Training Institute, Madras, attended the meeting by special invitation.

Item No. 1: To confirm the minutes of the meeting of the Council held on 17th April, 1976.

16 Adj.1.1 The Council confirmed the minutes of the 15th meeting held on 17th April, 1976 subject to the following modifications:-

16 Adj.1.2 The Council noted that the UGC had not yet announced its decision with regard to the revised scale of pay for Registrars of Central Universities. The Council was of the view that the scale of Rs.1500-1800 for the post of Registrar would be inadequate and that it would be appropriate if the revised pay scale is fixed at Rs.1500-2000. (Item 15.21.2).

16 Adj.1.3 The appointment to the post of Deputy Director in the IITs should be made for a period not exceeding three years.

16 Adj.1.4 The Council authorised the Chairman to take final decisions with regard to the creation of a separate cadre of senior highly-skilled technicians and design engineers (both in regard to the number of posts as well as the scales of pay), taking into consideration the proposals received from the Directors of IITs.

Item No. 2: To report action taken on the minutes of the 15th meeting of the Council.

16 Adj.2.1 The Council welcomed Shri B.N. Tandon, Additional Secretary, in the Ministry of Education and Social Welfare, as a new member. It placed on record the appreciation of the services rendered by Shri H.S. Shahani, Joint Educational Adviser (T), Ministry of Education and Social Welfare, during the period he served as a member of the Council.

16. Adj. 2.2. In regard to the decision of the Council recorded under item 15.15.1, the Chairman instructed the Secretariat to look into the matter with a view to announcing the Government decision thereon as expeditiously as possible.

16 Adj. 2.3 The Chairman instructed the Secretariat to issue orders in regard to the decision taken by the Council under item 15.19.1 in regard to the qualifications prescribed for the posts of lecturers in Architecture, Regional and Country Planning and Naval Architecture, urgently.

16 Adj. 2.4 The Council reiterated its decision taken at its meeting held on 24.5.76 on the Report of the Mayudamma Committee and requested the Chairman to nominate his representative on the Advisory Committee for the Centres of Advanced Studies in the IITs.

Item No. 3: To consider the remaining items of the Haksar Committee's recommendations.

16 Adj. 3.1 The recommendations of the Haksar Committee on the revision of the remaining Statutes of the IITs were considered by the Council and the following decisions were taken:-

16 Adj. 3.2 Statute 20(1): The amendment proposed by the Committee was not accepted. It was decided that each Deptt. of the Institute will be placed in the charge of a Head who shall be selected by the Director from amongst the Professors of the Department. The existing proviso in the Statute 20(1) should take care of any contingencies which may arise in the absence of a Professor in any Department. It was further decided that the term of Head of the Department should be left to be decided by the Board of Governors of each IIT.

The amendment proposed by the Committee was not accepted. The existing provision may stand. 219

16.Adi.3.4. Statute 12(2): The Council noted that this statute has already been amended as follows:-

"12(2): While making appointments, the Institutes shall make necessary provision for the reservation of posts in favour of Scheduled Castes and Scheduled Tribes in accordance with the decisions of the Board"

In view of the above position, the Council considered that no further change was required.

16.Adi.3.5 Statute 12(3): The recommendation of the Haksar Committee for amending Statute 12(3)(a) in regard to the provision for Deputy Directors was not accepted. It was decided not to have a whole-time Deputy Director. Therefore, the question of Selection Committee for this post will not arise. One or more Deputy Directors may be appointed in each IIT by its Board of Governors on the recommendations of the Director.

16.Adi.3.6 The other amendments to statute 12(3) for the posts of Professor, Assistant Professor, Scientific Officer and Lecturer proposed by the Secretariat were accepted.

16.Adi.3.7 The Council desired that in order to speed up the processes of recruitment of Faculty Staff, especially the Professors, the Secretariat may examine the desirability of suggesting a larger panel of Visitor's nominees for each Deptt. and in various fields of specialisation thereunder, as was the practice in the past.

16 Adj.3.8 For recruitment to the posts of Librarians and Workshop Superintendents, it was decided that the amendment proposed by the Secretariat may be accepted subject to the deletion of the provision in regard to the nominee of the Visitors

16 Adj.3.9 Statute 12(7): The amendment was accepted.

16 Adj.3.10: Statute 12(11): The amendment proposed by the Committee was not accepted. The existing provision would, therefore, stand.

16 Adj.3.11 Statute 13(2)&13(3): The amendment proposed by the Committee were not accepted. It was decided that the period of probation should ordinarily be one year, provided that it may be extended for a further period not exceeding one year.

16 Adj.3.12 In the case of existing employees who have not been confirmed for periods exceeding two years, the Council decided that a suitable transitory provision may be made, somewhat on the lines of similar provisions in the ordinances of the Jawaharlal Nehru University, to enable the Director to extend the period of probation of such employees for limited periods.

16 Adj.3.13 It was further decided that all employees shall retire at the end of the month in which they attain the age of 60 years. In the case of teaching staff, however, it may be left to the Board of Governors to consider the question of re-employment of suitable teachers till the end of the semester or the academic session, as may be considered appropriate in the circumstances of each case. The Council desired that for re-employment up to the end of the semester or the academic session, the Visitor's previous sanction may not be insisted upon. But for re-employment beyond the academic session in which the teacher attains the age of

...amendment, it should be necessary to obtain the previous sanction of Visitor, as provided in the existing statutes. It was further decided that during the re-employment period, no teacher should be given any responsibility of an administrative character, for instance, Dean, Deputy Director, Head of a Department etc.

16 Adj.3.14 Statute 13(8): The amendment proposed by the Committee was accepted.

16 Adj.3.15 Statute 13(9): The amendment proposed by the Committee was accepted.

16 Adj.3.16 Statute 19: The amendment proposed by the Committee was accepted.

16 Adj.3.17 Statute 8(2): The addition proposed by the Committee was accepted.

16 Adj.3.18 Statutes 21(1), 21(2) (b), 21(3), 21(5) (a), 21(5) (b) (i) AND 21(6):

The Council decided that the amendments proposed by the Committee and the suggestions made by the Secretariat needed to be looked into carefully with a view to making the provisions up-to-date so as to conform to the decisions already taken by the Council in this behalf.

16 Adj.3.19 The Council further desired that the existing statutes should be amended in such a manner that only the rules/principles governing the award of scholarships/fellowships etc. for different courses are incorporated in the Statutes, leaving it to the Council to determine the value of each scholarship/fellowship from time to time, as is followed in the case of Central Universities.

16 Adj.3.20 The Council then considered proposals for additions of new provisions in the statutes and took the following decisions:-

16 Adj.3.21 Statute 2(7): This was accepted.

16 Adj.3.22 Statute 9(17): This was accepted.

16 Adj.3.23 Statute 12(3)(b)(v): This has already been covered under the amendments to statutes 12(3) above.

16 Adj.3.24 Statute 10(B): The amendment proposed by the Committee was not accepted. The Council decided that Statutes should provide that the Director shall be assisted by the Registrar, the Financer Officer and such other officers as may be decided by the Board of Governors from time to time and that they shall perform such duties as may be assigned to them by the Director from time to time.

16 Adj.3.25 Statute 19(2): This was accepted.

16 Adj.3.26 Statute 21(1)(a): This has already been covered in the amendment to the Statute 21(1).

16 Adj.3.27 New Statute 10(A): This was accepted.

16 Adj.3.28 The Council considered the proposals for deletions of the existing statutes and took the following decisions:-

16 Adj.3.29 Statutes 21(1), 21(2)(b), 21(3), 21(5)(a), 21(5)(b)(i) and 21(6): This has already been covered under sub-item (12) above.

16 Adj.3.30 Statute 22(1)(a): The amendment proposed by the Committee was accepted.

16 Adj.3.31 Statute 23(5): The Council decided that Wardens and Assistant Wardens shall be entitled to such concessions and facilities as may be decided by the Council from time to time.

16 Adj.3.32 The Council desired that the recommendations of the Committed in regard to amendments to schedules A to F may be examined by the Secretariat in consultation with the Ministries of Finance and Law and suitable provisions incorporated, based on the decisions of the Central Govt. in relation to its own employees.

Item No. 4: To consider a note regarding transfer of retirement benefits when an employee of Central University joins IITs and vice versa.

16 Adj.4.1 The Council accepted the proposal in principle and authorised the Secretariat to take up the matter with the University Grants Commission and the Central Universities with a view to obtaining their agreement before necessary changes are incorporated in the statutes of the IITs.

16 Adj.4.2 Arising out of a point raised by a member whether similar benefits will be extended to employees of State Universities joining the IITs and vice versa, the Council noted that none of the State universities had so far accepted the principle of transfer of retirement benefits in respect of their employees when they joined Central Institutions.

Item No. 5: To consider duration of under-graduate courses in the Indian Institutes of Technology.

16. Adj.5.1 The Council accepted the recommendation of the AICTE that it should be possible for students coming out from 10+2 stream to complete the Bachelor's Degree course in engineering and technology in four years. However, during the transitional period from 1976-77 to 1980-81, the Council decided that the institute should continue their five year programme and give one year exemption to the students who have come from 10+2 system of schooling on the basis of the test conducted by the Institutes. Directors of IITs were requested to formulate detailed proposals regarding the tests and to send the same to the Secretariat as early as possible. The Council noted that since it was necessary to take decisions on these proposals by October, 1976, the Council

authorised its Chairman to take a suitable decision on these proposals if it was not possible to convene a meeting of the Council by that time. The Council also requested the Chairman to circulate the proposals received from the Directors to the members to enable them to give their comments, if any, before the decision was taken by the Chairman.

Item No. 6: To consider the recommendations of the All India Council for Technical Education regarding appointment of faculty.

16 Adj.6.1 The Council noted the recommendation made by the AICTE at its 23rd session held in May 1976 that there was need for exposing the faculty to the industrial environments and for that purpose a programme of training in industry during vacations may be continued, as at present, and that all the teachers who have not been trained should be covered during the next five years. The Council expressed its doubts whether it would be possible for the IITs to spare their teaching staff, particularly the members of the senior faculty, to undergo a training programme in industry for prolonged periods. The Council, therefore, desired that the governing body of each IIT should formulate a detailed faculty development programme which may vary from discipline to discipline and submit its proposals to the Council for its information. It will be open to the Council to make any suggestions for the guidance of the IITs in implementing the individual programmes worked out by them.

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Item No. 7: To consider the proposal to increase the minimum percentage of marks from 55% to 60% for award of scholarships of postgraduate courses in the IITs.

16 Adj.7.1 The Council noted that (1) the Board of postgraduate Studies and Research had recommended that the percentage of marks required in the first degree examination in engineering/technology should be raised from 55% to 60% for the purpose of award of post-graduate scholarships in engineering and technology; and (2) the AICTE at its meeting held on the 21st May 1976 considered this recommendation and decided that the increase in the percentage of marks required for the award of scholarships for post-graduate courses be linked with the new grading system adopted by the Universities.

16 Adj.7.2 The Council further noted that in the IITs all students who are admitted to post-graduate studies in engineering and technology are awarded scholarships. Since the Central Government have already accepted the recommendations of the Board of Post-graduate Studies and Research and the AICTE with regard to the eligibility for award of postgraduate scholarships in engineering and technology, it will be necessary for the IITs to make admissions to postgraduate courses of only those students who fulfil the conditions prescribed. It will, however, be open to the IITs to prescribe higher criteria, if so desired.

16 Adj.7.3 In implementation of the above decision, certain difficulties were pointed out in the matter of students who had already been admitted to postgraduate courses in engineering and technology this year. The Council decided that while it will not be desirable to alter the criteria laid down, the

Chairman may, on the recommendation of the Director, make an exception in the case of those students who did not fulfil the minimum prescribed criteria and who have already been admitted this year.

16 Adj.7.4 While considering the question of postgraduate students in the IITs, the Council was informed that, by and large, the IITs are producing first-rate products at the level of B.Tech. but the quality of students Passing the M. Tech. examination in the IITs was not in consistence with the standing and reputation of these institutions. The Council recommended to the Board of Governors of IITs to examine this problem in depth, taking into consideration the fact that persons with M.Tech. qualifications should be fully trained in the fields of research, development and design.

Item No. 8: To consider the question of giving a suitable honorarium to professors who are placed in charge of departments in the IITs.

16 Adj.8.1 The Director, IIT Madras, clarified that in certain cases, the Board of Governors or the Director entrusted additional responsibilities to certain professors for specific work over and above their normal teaching assignments, like Deans, and it was only to this category of professors that the Board of Governors had proposed an honorarium of Rs.200 p.m. The Council considered this question at great length and expressed the view that it would be wrong, in principle, to sanction special honorarium for every additional assignment given

to the professors. This decision would, however, not apply to professors who are appointed as Deans and for whom a special honorarium is already provided in certain IITs.

Item No. 9: To consider the proposal to create the cadre of Hindi teachers in the IITs.

16 Adj.9.1 The Council considered the proposals submitted by the IIT, Kharagpur, for creating a cadre of Hindi teachers in the IITs and decided to defer its consideration till similar proposals were received from other IITs also. The Council further felt that it may not be desirable to prescribe for a teacher in charge of the Centre a scale lower than that of a Lecturer and desired that this proposal should, in the first instance, be discussed by the Directors of IITs before it is submitted to the Council.

Item No. 10:.. Annual report on research and development activities undertaken in the IITs.

16 Adj.10.1 The Council noted that the Institute of Technology are engaged in research and development and during recent years the research activities have increased in diversity and complexity and have made the IITs nuclei of advanced research in the field of science and technology. The Council also noted that the IITs have been, during the last few years, devoting increased attention to design and development work in the industry. So far, the activities undertaken by the IITs in this field are not being reported to the Council. Since one of the functions of the Council is to coordinate the activities

of all the IITs, the Council desired that each IIT should submit a detailed report to the Council in respect of the work done by it in the field of research and development. The Council further desired that the Directors of IITs should consider this matter and prescribe a suitable format in which information in regard to these activities should be reported by each IIT to the Council.

The meeting terminated with a vote of thanks to the Chairman.

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H.D. GULATI
SECRETARY OF THE COUNCIL
OF IITs.

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GOVERNMENT OF INDIA
MIN. OF EDUCATION & S.
DEPTT. OF EDUCATION
NEW DELHI.

NOVEMBER 19, 1977.

Dear Dr. Sra,

I am enclosing a copy of the draft minutes of the 17th meeting of the Council of the IITs held on October 14, 1977 under the Chairmanship of Education Minister. The minutes have the approval of the Chairman.

I should be grateful to have your comments, if any, on the draft minutes as early as possible. If no comments are received by December 9, 1977, it will be presumed that you have no comments to offer.

With regards,

yours sincerely,

H.D. Gulati
(H.D. GULATI)

Dr. C. S. Sra
Director

117,
Kharagpur-721302

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