

UNIVERSITY OF COCHIN

**Minutes of the meeting of the 187th meeting of the
Syndicate held on 3-12-1983.**

**Place of meeting : University Buildings
Cochin-22**

Time : 10-00 a. m.

Members Present :

1. Dr. K. Gopalan
Vice-Chancellor (in the Chair)
2. Prof. T. B. K. Menon
Pro-Vice-Chancellor
3. Shri V. Aravindakshan Nair
4. Shri K. Govinda Pillai
5. Dr. P. N. Krishnan Nambisan
6. Dr. M. P. Parameswaran
7. Shri M. K. Raghavan
8. Dr. K. Sathianandan
9. Dr. Paul A. Vatakencherry
10. Prof. P. S. Velayudhan

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Item No. 187.01 : Confirmation of the minutes of the 186th meeting of the Syndicate held on 5-11-1983.

Resolved that the minutes of the meeting of the Syndicate held on 5-11-1983 be confirmed subject to the following emendations:-

1. 186.03 (i) The words within brackets: ("Dr. P. N. Krishnan Nambisan dissented.") be added at the end of the decision.
2. 186.03 (iv) b) The dissent recorded be modified as follows: "Shri M. K. Raghavan dissented."
3. 186.03 - xxx: The words "for the time being", be added to the sentence.
4. 186.09 (i) (b) The following words be added within brackets after the decision: ("Dr. P. N. Krishnan Nambisan dissented.")

Item No. 187.02 : Report of the Vice-Chancellor on important developments in the University since the last meeting.

1. The State Government has released a total grant of Rs. 65 lakhs for the construction of the Administrative Block. The original understanding was that the Government would give only Rs. 50 lakhs.

2. It is understood that the Ministry of Education, Government of India has approved a special assistance of Rs. 20 lakhs. for the proposed M. Tech programme in Computer & Information Sciences.
3. The Vice-Chancellor proposed that Mr. P. U. Cariappa General Manager, Cochin Shipyard be nominated as a member of the Board of Studies in Naval Architecture & Ship Building. The proposal was approved.
4. On the request of the Ministry of Education, Government of India, the University's Seventh Plan Proposals (1985-90) in respect of the Engineering & Technology Divisions have been sent to the Government of India so as to reach them on December 1, 1983. The proposals were prepared in consultation with the Heads of Departments and on the basis of the general guidelines given by the Ministry of Education. The proposals will be placed before the Planning Committee in due course along with the proposals under the General Sector.
5. The Five-day Workshop on Environment and Development sponsored by the University of Cochin (Department of Law) along with other agencies is well under way. The Fulbright Professor Dr. Armin Rosencranz and Dr. P. V. S. Namboodiripad of Periyar Chemicals are the co-ordinators of the Workshop.

6. The University of Cochin has participated in the Science & Technology exhibition organised at Valapad in connection with the Silver Jubilee Celebrations of Sree Rama Polytechnic there. Cochin University was represented by the Department of Marine Sciences and the Department of Ship Technology.

7. The Expert Committee appointed by the Government of Kerala to consider the proposal for setting up an Advanced Centre for Sciences & Technology visited the University on November 30, 1983. The Committee consisted of:

- 1) Prof. V. R. Pillai, Member, State Planning Board
- 2) Dr. V. R. Gowariker, Director, VSSC, Trivandrum.
- 3) Shri M. R. Sitaraman, Joint Managing Director, KELTRON, Trivandrum.
- 4) Dr. K. Gopalan, Vice-Chancellor, Cochin University
- 5) Shri V. Ramachandran, Commissioner for Economic Development, Government of Kerala, Trivandrum.
- 6) Dr. S. Vasudev, Chairman, State Committee on Science & Technology, Trivandrum.

Dr. Gowariker and Shri Sitaraman could not participate in the visit. They will be visiting the University separately.

8. As reported earlier, Cochin University has been chosen by the Government of India as one of the Nodal Centres of the National Manpower Information System. The University has already conveyed its acceptance to act as a Nodal Centre. The Nodal Centre will have an Advisory Committee consisting of the following:-

- 1) The Head of the Institution at each Nodal Centre (Chairman)
- 2) The Director of Technical Education of the concerned State.
- 3) The Director of Industries of the concerned State
- 4) The Regional Officer of the Ministry of Education
- 5) The Director of the Regional Apprenticeship Board
- 6) Head of the State Manpower Unit/Department
- 7) A representative from Institute of Applied Manpower Research
- 8) Head of the Nodal Centre (Member Secretary)

We are proposing to convey to the Government of India that the Nodal Centre at Cochin University will be the School of Management Studies. The Head of the Nodal Centre will be the Director of the School of Management Studies.

The Staff approved for the Nodal Centre consists of: One Project Officer (Reader), One Personal Assistant and one research Associate. The Project Officer has to be a person with experience in (i) manpower planning and allied fields of research and (ii) in electronics data processing techniques. It is proposed to appoint Mrs. Annies Vincent of the School of Management Studies as the Project Officer (Reader), which is a purely temporary position sanctioned upto March 1985. She has more than 17 years of experience as Teaching Assistant/Lecturer in the School. She holds a First Class M. Sc. degree in Statistics and has adequate exposure to manpower planning and electronics data processing. She will undertake this new responsibility in addition to her teaching work in the School. The entire expenditure of the Nodal Centre which is purely a temporary arrangement till March 1985, will be met by the Ministry of Education, Government of India.

The Syndicate approved the above proposal.

Item No. 187.03 : Report of the Internal Evaluation Committee-consideration of.

The Syndicate considered the report of the Internal Evaluation Committee, along with the recommendations of the Standing Committee on Staff & Establishment.

Resolved that the report of the Internal Evaluation Committee in general be approved, and that the following specific recommendations be approved for implementation in consultation with the Statutory Finance Committee wherever necessary, without waiting for the confirmation of the Minutes.

1. The staff pattern of non-teaching staff proposed for the teaching departments of the University as in *Appendix I* be approved, subject to the modification that one post of Section Officer for each of the departments of Electronics and Industrial Fisheries be provided.
2. a). A new cadre of qualified technical staff (technicians) be created for the various laboratories and workshops of the University.

Details regarding the academic qualifications, experience, scales of pay etc. for the posts to be included in the cadre be worked out by a Committee constituted from among the heads of Science & Technology departments of the University.

- b). The proposal for granting grade promotions to an appropriate higher grade to Sweepers-cleaners, peons, technical staff in the lower categories, and others similarly placed, on completion of 10 years in a particular cadre be accepted in principle and the details worked out for implementation.
- c). Graduate typists with not less than 5 years' service as typists in this University be given the option to join the cadre of Assistants, provided that they join as junior most in that cadre.

- d) The present practice of appointing sweepers/cleaners and watchmen as Peons, and Peons as technical service personnel in the Library, Laboratory etc. be dispensed with.
3. The categorization of departmental libraries into A, B, & C be approved, along with the staff pattern proposed as in *Appendix II*. As regards category B, the library be manned initially by a Library Assistant Grade II until the collection grows sufficiently to justify the appointment of a Reference Assistant.
4. The organizational pattern for the integrated library at Lakeside campus, along with the recommended staff pattern as in *Appendix III* be approved, subject to such marginal adjustments as might become necessary on actual implementation. The administrative control of the Library be with a professor in charge to be appointed by the Vice-Chancellor, whereas control over technical matters be vested in the University Librarian.
5. (a) The functional division of work among the various sections of the University Library, along with the staff pattern as in *Appendix IV* be approved, subject to such marginal adjustments as might become necessary in the interest of the smooth operation of the system.
- (b) The University Library may have the following staff in the lower categories:

- (1) Peons — 3 (The remaining 5 peons be transferred with post to other departments/offices)
- (2) Library Attenders — 3
- (3) Security staff — 2

Library Attenders may be appointed from among peons who have studied upto SSLC on the basis of seniority and be given the scale of pay Rs. 300-450. They shall perform all the duties of peons and shall assist the professional staff in arranging books and periodicals and keeping them dust free.

6. The organizational pattern of the Engineering Unit together with the staff structure as in *Appendix V* be approved.
7. The present administrative structure for the hostels may remain as it is subject to the administration of the hostel at Lakeside campus being brought under the control of the Hon. Warden, Trikkakara campus, who shall be designated Hon. Warden, University hostels.

An Assistant Warden be appointed for the hostel at Lakeside campus.

8. An administrative unit of the central office be established at the Lakeside campus under a Section Office which will handle such matters as fee collection of all departments located therein, maintenance of hostel and allied matters, security arrangements, upkeep

of buildings and gardens, preparation of establishment bills of common technical staff (crew of the vessels/vehicles) library staff, security and maintenance personnel.

The staff pattern of the unit be as follows :

A. Section Officer	— 1
Assistants	— 3
Typist	— 1
Peons	— 2
B. Security staff	— 6
Gardeners	— 3
Sweeper/Cleaners	— 4

Note: Officers at A will report directly to the professor-in-charge. Persons at B will report directly to the Section Officer.

The administrative control of the unit be vested in the Head of the Department/School on rotation for a period of one year to be appointed by the Vice-Chancellor.

9. The crew of the vessels along with the research vessels/vehicles be separated from the teaching departments and placed under the control of the seniormost among the technical personnel (Deck Officer) for ensuring their operational efficiency. A head of the Department/School to be appointed by the Vice-Chancellor on rotation be in charge of the unit.

10. The proposals regarding the line and span of control among the officers of the University along with the staff pattern as in *Appendices VI to IX* be generally approved, subject to regulation by the Vice-Chancellor in the exigencies of administration.

Arising out of the above, the following specific proposals are approved :

- (a) Creation of a Records Section with a typist Section Officer and one Assistant.

- (b) -do- Public Relations Section with a Public Relations Officer of the rank of Assistant Registrar to be appointed in the manner Prescribed separately.

- (c) -do- Statistical unit within the Planning & Development division with an Officer of the rank of Section Officer to be appointed in the manner prescribed separately.

- (d) SC/ST cell on the pattern approved by the UGC with the following staff.

(i) Dy. Registrar	— 1
(ii) Section Officer	— 1
(iii) Assistant	— 1
(iv) Asst. (Statistical)	— 1
(v) Typist	— 1
(vi) Peon	— 1

- (e) Creation of a post of Dy. Registrar (Exams) in lieu of the post of Asst. Registrar (Examinations)
- (f) Upgradation of the post of Planning & Development Officer with the designation Director of Planning & Development with the scale of pay Rs. 1450-2050: the present incumbent in the post being re-designated as Director of Planning & Development and given the scale of pay Rs. 1450-2050
- (g) The Assistant Registrar of the Administration Section be designated as Assistant Registrar (General services) who shall among other also be directly responsible for the smooth and efficient operation of University vehicles.
- (h) The Security service in the University be reorganized under the Security Officer as per the decision already taken by the Syndicate.

The following additional posts as in *Appendix X* be created for the effective implementation of the above proposals.

Item No. 187.04 : Non-teaching technical staff sanctioned by the UGC for the VI Plan period - qualification and scales of pay fixing of.

The Syndicate considered, along with the recommendations of the Standing Committees on Academic Matters

and Staff & Establishment, the proposal for prescribing the qualifications and scale of pay of the technical posts sanctioned by the UGC for the VI Plan period for the various departments of the University.

Resolved :

- (i) Technical Assistants / Statistical Assistant be of three grades :

Grade I — 750-30-990-40-1150-50-1450

Grade II — 535-18 625-20-825-25-950

Grade III — 420-13-485-15-635-17-720

- (ii) Qualifications for the posts of Technical Assistants Statistical Assistant be as follows :

Grade I — : Master's degree in the concerned/ related subject with two year/ laboratory experience.

Grade II — : Bachelor's degree in the concerned/ related subject with a minimum of 5 years laboratory experience.

Grade III — : Bachelor's degree in the concerned/ related subject-laboratory experience desirable.

(iii) Storekeepers in the University be of three grades:

Grade I — : 600-20-660-25-860-30-1100

Grade II — : 535-18-625-20-825-25-950

Grade III — : 420-13-485-15-635-17-720

(iv) Qualifications for the post of Storekeeper be as follows :

Grade I : Graduation in the concerned/related subject with experience in the line for 10 years.

OR

Master's degree in the concerned/related subject with experience in the line of 5 years.

Grade II : Graduation in the concerned/related subject with a minimum of 5 years experience.

Grade III : Graduation in the concerned / related subject.

Item No. 187.05 : K. Raman Pillai - counting of previous Service-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the request of Shri. K. Raman Pillai, Private Secretary to the Vice-Chancellor, for reckoning for retirement benefits the kinds of Service rendered by him under the Indian Railways and under a research scheme in the University of Kerala, prior to his joining University Service.

Resolved that, the service put in by Shri K. Raman Pillai under the Indian Railways during the period 20-3-1953 to 31-10-1961 be reckoned for retirement benefits.

(Ad.)

Item No. 187.06 : Protection of pay in previous employment-representations from non-teaching staff-reg.

Resolved that the matter be referred to the IUCC for evolving a common policy covering the Universities in the State.

(Ad.)

Item No. 187.07 : Leave for study purpose granted to Smt. S. Jyothirmayi, Asst. Librarian Grade II reporting of-

The Syndicate ratified the action of the Vice-Chancellor in having granted leave for study purpose to Smt. S. Jyothirmayi, Asst. Librarian Grade II, vide U. O. No. Ad. Al. 33513/81 dated 7-10-1983.

(Ad.)

Item No. 187.08 : Appointment of part-time Physician-University Health Centre-Reg

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the question of filling the post of part-time Physician of the University Health Centre on expiry of the term of appointment of the present appointee.

Resolved that the post of part-time Physician for the University's Health Centre be advertised.

(Ad.)

Item No. 187.09 : Physical Education Officer-duties and responsibilities prescribed-ratification of-

The Syndicate ratified the action of the Vice Chancellor in having prescribed the duties and responsibilities of the Physical Education Officer of the University.

(Ac.)

Item No. 187.10 : Promotion to the post of Overseer Grade I - request-reg. - and redesignation of the post of work Superintendent Grade I - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposals for filling the post of Overseer Grade I, vacated by Shri K. Vijayan Menon, appointed Assistant Engineer, and for redesignation of the post of Work Superintendent Grade I held by Shri C. Gangadharan.

Resolved :

- (i) Smt. S. Shyla, Draftsman Grade II, be appointed as Overseer Grade I in the scale of pay Rs. 450-785.
- (ii) The post of Work Superintendent Grade I be redesignated Overseer Grade I and Shri C. Gangadharan, appointed as Overseer Grade I in the scale of pay Rs. 450-785.

(Ad.)

Item No. 187.11 : Creation of a post of Scavenger in the University-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for creating a post of Scavenger for the University Office.

Resolved that the work of cleaning of bathrooms etc, be done by continuing the existing arrangement in this regard.

(Ad.)

Item No. 187.12 : Appointment of course Director for the Diploma Course in Banking, School of Continuing Education-
action of the Vice-Chancellor-
ratification of.

The Syndicate ratified the action of the Vice-Chancellor in having appointed Dr. K. K. George, Reader, School of Management Studies, as Course Director for the Diploma in Banking course of the School of Continuing Education.

(Ac.)

Item No. 187.13 : Shri K. Sreedhara Naik - Asst. Registrar - appeal petition to the Syndicate-consideration of.

Deferred for consideration at the next meeting of the Syndicate.

(Ad.)

Item No. 187.14 : Promotion to the post of Section Officer (Typist)-M. G. Unnikrishna Menon-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the request of Shri M. G. Unnikrishna Menon, P. A. to Registrar, for promotion as Section Officer (Typist.)

Resolved that a post of Section Officer (Typist) be created and Shri M. G. Unnikrishna Menon, P. A. to Registrar be appointed to the post.

(Ad.)

Item No. 187.15 : Re-organization of the Department of Marine Sciences into School of Marine Sciences-consideration of.

The Syndicate considered the report of its sub-committee on the reorganization of the Department of Marine Sciences, along with the recommendation of the Standing Committee on Academic Matters.

Resolved :

- (i) The Department of Marine Sciences be re-organized, as proposed by the UGC, into the School of Marine Sciences with four divisions as indicated below endowed with sufficient freedom in academic matters and separate budget allocations :

- (a) Physical Oceanography & Meteorology
- (b) Chemical Oceanography
- (c) Marine Geology
- (d) Marine Biology, Micro-biology & Biochemistry

(ii) The seniormost professor of the present Department of Marine Sciences be the Head of the School with the designation-Director.

(iii) The Central office of the School will cater to the academic requirements of its individual divisions, especially as regards typing work.

(Pl.)

Item No. 187.16 : Registration for research leading to M.Sc. (by research)-application of R. C. Choudhury-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the application of Shri R. C. Choudhury for registration for research leading to the M.Sc. degree (by research) of this University.

Resolved that the application of Shri R. C. Chodhury be rejected.

(Ac.)

Item No. 187.17 : Change of supervising guides-proposals-consideration of.

The Syndicate considered, along with the recommendations of the Standing Committee on Academic Matters, the proposals for change of supervising teachers in respect of Shri Rajan K. Varghese and Smt. P. Nagabhooshanam, research scholars of the Department of Law and Shri. K. B. Harikumar Nair, research scholar of the School of Management Studies.

Resolved :

(i) Prof. P. R. Ramachandra Poduval may be approved as supervising teacher of Shri K. B. Harikumar Nair in the place of the late Dr. K. Nanukuttan Nair.

(ii) In the case of the other two research scholars of the Department of Law, the question of change of supervising teacher be kept pending for 8 weeks ie., until their present supervisor Dr. Joseph Minattoor, has furnished a no objection certificate.

Resolved further that the University may directly address Dr. Joseph Minattoor in the matter.

(Ac.)

Item No. 187.18 : M. A. & M. Phil courses in Hindi of the Kurukshetra University-recognition of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for recognising the M. A. and M. Phil Degrees in Hindi of the Kurukshetra University on a reciprocal basis with the corresponding degrees of this University.

Resolved that the question be referred first to the Standing Committee of the Academic Council for consideration and that its recommendations be placed before the Syndicate.

(Ac.)

Item No. 187.19 : Reservation of seats for students of the Andaman and Nicobar Islands to the Post - graduate Diploma Course in Translation, Administrative Drafting and Reporting in Hindi-Vice-Chancellor's action-ratification of.

The Syndicate ratified the action of the Vice-Chancellor in having reserved 5 seats of the post-graduate Diploma Course in Translation, Administrative Drafting and Reporting for admission of students nominated by the Andaman and Nicobar Administration.

(Ac)

Item No. 187.20 : Admission to post-graduate courses - weightage of marks / reservation of seats for sportsmen / women - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the question of reserving seats for outstanding sportsmen for admission to various courses under the University.

Resolved that there be no reservation of seats for admission to any of the courses under the University for sportsmen.

(Ac.)

Item No. 187.21 : Sanction of Guest Lecturers for the Department of Ship Technology-consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for engaging guest lecturers for the Department of Ship Technology.

Resolved that the Vice-Chancellor be authorised to take a decision in consultation with the Head of the Department of Ship Technology.

(Ac.)

Item No. 187.22 : Faculty of Marine Sciences-D.Sc.
Thesis submitted by Dr. V.
Santhakumari-Evaluation-reg.

Already considered : Dropped

Item No. 187.23 : Ph.D. Thesis submitted by Smt.
Ammini Joseph-Evaluation-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for the evaluation of the Ph. D. thesis : CULTURE AND GROWTH KINETICS OF SELECTED NANOPLANKTERS, submitted by Smt. Ammini Joseph, Part-time research scholar, who worked under the Supervision of Dr. P. V. Ramachandran, Nair, Scientist, CMFRI, Cochin.

Resolved that the Vice-Chancellor be authorised to appoint the external examiners for evaluation of the thesis.

(Ex. A)

Item No. 187.24 : Ph.D. thesis submitted by Smt. P.
Premalatha-Evaluation-Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters,

the proposal for appointing external examiners for evaluation of the Ph.D. thesis : STUDIES ON THE LARVAE OF CARANGID FISHES ALONG THE SOUTH WEST COAST OF INDIA, submitted by Smt. P. Premalatha, Part-time research scholar, who worked under the Supervision of Dr. C. V. Kurian.

Resolved that the Vice-Chancellor be authorised to appoint external examiners for the evaluation of the thesis.

(Ex. A)

Item No. 187.25 : Ph. D. thesis submitted by Shri
Ajitha Kumar-Evaluation-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for appointing external examiners for evaluation of the thesis : REPRODUCTIVE PHYSIOLOGY OF INDIAN SPECIES OF THE GENUS PERNA (FAMILY MYTILIDAE), submitted by Shri. B. S. Ajitha Kumar, full-time research scholar who worked under the supervision of Dr. K. Alagarwami, Senior Scientist, CMFRI, Cochin.

Resolved that a fresh panel of examiners be called for. Arising out of it, resolved that persons recommended for appointment as examiners for the evaluation of Ph.D. theses be not generally below the rank of a University Professor or Head of a research institution.

(Ex. A)

Item No. 187.26 to 28 :

Dropped - (already considered by the Syndicate)

Item No. 187.29 : Ph.D. thesis entitled: Analysis - Discrete Function Theory-submitted by Smt. Mercy K. Jacob- evaluation reports-consideration of

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners, along with the consolidated report of the Chairman, Board of Examiners, and the minutes of the viva voce examination in respect of the thesis: Analysis-Discrete Function Theory, submitted by Smt. Mercy K. Jacob, full-time research scholar who worked under the joint supervision of Dr. Wazir Hasan Abdi. and Dr. T. Thrivikraman, Head of the Department of Mathematics and Statistics.

Resolved that Smt. Mercy K. Jacob, be declared eligible for the award of the degree of Doctor of Philosophy under the Faculty of Science for the thesis: ANALYSIS-DISCRETE FUNCTION THEORY, submitted by her.

(Ex. A.)

Item No. 187.30 : Ph.D. thesis entitled, "Economic Impact of Land Reforms in Kerala" submitted by Smt. K. A. Jayalakshmy - Evaluation reports and Report on Viva Voice examination consideration of-

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the individual reports of the examiners, along with the consolidated report of the Chairman, Board of Examiners and the minutes of the viva voce examination, in respect of the Ph.D. thesis : ECONOMIC IMPACT OF LAND REFORMS IN KERALA, submitted by Smt. K. A. Jayalakshmy full-time research scholar who worked under the supervision of Dr. K. C. Sankaranarayanan, Head of the Department of Applied Economics.

Resolved that Smt. K. A. Jayalakshmy, be declared eligible for the award of the degree of Doctor of Philosophy under the Faculty of Social Sciences for the thesis: ECONOMIC IMPACT OF LAND REFORMS IN KERALA submitted by her.

(Exam A.)

Item No. 187.31 : Appointment of Prof. M. Rajagopalan as Visiting Professor under UGC scheme in the Department of Mathematics & Statistics-reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the appointment under the UGC scheme of visiting appointments, of Prof. M. Rajagopalan of the University of Toledo, Ohio, for the period of one year w. e. f. August 1984.

Resolved :

- (i) Prof. M. Rajagopalan be appointed for one year w. e. f. August 1984, as Visiting Professor in the Department of Mathematics and Statistics under the UGC Scheme of Visiting appointment on an honorarium of Rs. 3000/- per mensem.
- (ii) The cost of his international air travel by economy class by direct route from Ohio to Cochin and back be met by the University provided the UGC would reimburse the same.

(PL.)

Item No. 187.32 : Purchase of Reprints of Scientific papers published by the Staff and research students of the University formulating a policy for the purchase-consideration of-

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for making a provision for purchase of reprints of papers published by the staff and research students of the University in foreign journals.

Resolved that expenditure on the purchase of reprints of papers published by staff & students in foreign journals be met out of a sum of Rs. 20,000 including the amount sanctioned by the U. G. C. as publication grant, to be provided in the University budget.

Resolved further that the expenditure in this regard (minimum number of copies of each paper to be procured 50 or the minimum number fixed by the publishers whichever is lower) as far as possible be met out of project funds.

(PL.)

Item No. 187.33 : School of Continuing Education-M.Sc. (Maths) degree course by correspondence changes in the faculty for preparation of course materials-report-reg.

The Syndicate noted the action of the Vice-Chancellor in having appointed Prof. M. K. Ramakrishna, Dr. T. R. Ramakrishnan and Prof. P. S. J. Nayar for preparing course material for the M. Sc. degree course in Mathematics (by correspondence.)

Resolved that the action of the Vice-Chancellor be ratified.

(Ac.)

Item No. 187.34 : Recognition of Supervising guide-Dr. K. K. Mohammed Yusuff - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Dr. K. K. Mohammed Yusuff, Reader, Department of Applied Chemistry, for recognition as supervising guide under the Faculty of Science.

Resolved that Dr. K. K. Mohammed Yusuff be recognised as Supervising guide for research under the Faculty of Science.

(Ac.)

Item No. 187.35 : School of Continuing Education- Bachelor of Banking & Commerce, Bachelor of General Law and Diploma in Banking courses by correspondence-Faculty for contact classes-report-reg.

The Syndicate noted the action of the Vice-Chancellor in having approved vide U. O. No. Ac. A3/41420/79 (ii) dated 8-11-1983, an additional list of faculty members for the conduct of classes for B. B. C., B. G. L. and Diploma in Banking courses of the School of Continuing Education.

Resolved that the action of the Vice-Chancellor be ratified.

(Ac.)

Item No. 187.36 : Panels of paper Setters/Examiners recommended by the Board of Studies-Approval-Reg.

The Syndicate approved the panels of paper setters/Examiners prepared by the following Boards of Studies at their meetings held in July-August 1983.

1. Board of Studies in Marine Biology
2. Board of Studies in Electronics
3. Board of Studies in Applied Chemistry

(Ac.)

Item No. 187.37 : Circulation of abstracts of Ph.D. thesis - directive of the UGC - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the directive of the UGC that a 10 page abstract of every thesis accepted by the University for the award of the Ph. D. degree, be circulated among Universities in India, the UGC and various funding agencies.

Resolved that the directive of the UGC be honoured.

(Ac.)

Item No. 187.38 : Vacant teaching posts-advertisement of-

The Syndicate considered the question of advertising and filling the vacant teaching posts in the University, including the ones sanctioned by the UGC and instituted by the Senate.

Resolved that the vacant teaching posts as in *Appendix XI* be advertised.

(Ad.)

Item No. 187.39: Purchase of Uniform cloth for eligible employees of the University reporting of.

The Syndicate noted the action of the Vice-Chancellor in having sanctioned vide U. O. No. Ad.C1/11353/81 dated 20-8-1983, the purchase of uniform material for eligible make employees at a cost of Rs. 52,027/86.

Resolved that the action of the Vice-Chancellor be ratified.

(Ad. C)

Item No. 187.40: Budget Estimates 1983-84 - 8 Engineering Department - 4 Contingencies iv) Electricity Charges - Diversion of funds - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for diversion of a sum of Rs. 2,00,000/- from 9. Works-plan, 16. Buildings for the School of Technology (Engg. Sciences) to 4. contingencies (iv) Electricity charges in order to enable payment of Electricity charges.

Resolved that a sum of Rs. 2,00,000/- be additionally provided under 4. contingencies (iv) Electricity charges, through diversion from 9. works-plan, 16. Buildings for the School of Technology (Engg. Sciences).

Resolved further that the matter be reported to the Senate.

(Fin.)

Item No. 187.41: Medical reimbursement - claims - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the claims for medical reimbursement preferred by Shri V. Vasudevan, Dy. Registrar and Shri N. Thankappan, Asst. Executive Engineer.

Resolved that the following officers be reimbursed the medical expenses incurred by them towards treatment undertaken.

1. Shri V. Vasudevan
Dy. Registrar - Rs. 679/-
2. Shri N. Thankappan
Asst. Executive Engineer - Rs. 626/-

(Ad. B)

Item No. 187.42 : University Library - Import of Minolta Machine - Payment of Customs Duty etc. - Ratification of -

The Syndicate noted the action of the Vice-Chancellor in having sanctioned payment of a sum of Rs. 83,872.84 as customs duty and an additional sum of Rs. 2,356/- towards clearing and forwarding charges in respect of one unit of plain paper copier (Minolta) imported for the University Library.

Resolved that the action of the Vice-Chancellor be ratified.

(Pl.)

Item No. 187.43 : DST Project "Development and characterisation of IV, VI and V-VI compounds" - Permission to transfer Rs. 8,300/- from University Funds -

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for providing for the DST project: "Development and characterisation of IV-VI and V-VI compound for thin film application in solid state Technology" a sum of Rs. 8300/- from the University funds against an identical amount from the

scheme funds deposited, for 5 years under Post Office Savings Bank Account in the name of the Registrar for availing of excise duty exemption in the purchase of an airconditioner for the project.

Resolved that a sum of Rs. 8300/- be advanced for the operation of the project, against the sum of Rs. 8300/- out of the project funds deposited under post office savings Bank Account.

Resolved, further that requests of a similar nature be disposed of in line with the present decision.

(Ac.)

Item No. 187.44 : Works - Construction of Hostel and family quarters for the non-teaching staff plans & estimates - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the modified plan along with detailed estimate for the hostel for non-teaching staff, and the plans and rough cost estimates for family type quarters of various descriptions.

Resolved :

- (i) The revised plan and detailed estimate of Rs. 3,90,000/- for the hostel building for non-teaching staff be approved.

- (ii) The proposal for construction of family type quarters be taken up subject to availability of funds in the following order of priority : F, E, C, D.

(Pl.)

Item No. 187.45 : Works - Additional items of work for the Administrative Office Block entrusted with the KSCC Ltd. - Advance payment made to the Corporation - Ratification of-

The Syndicate noted the action of the Vice-Chancellor in having advanced a sum of Rs. 4,75,000/- to the Kerala State Construction Corporation so as to enable the Corporation to execute urgently the additional items of work of the Administrative Building such as doors of the main entrance, compound wall, gate, approach road etc., estimated at Rs. 9,00,000/-, subject to adjustment of the advance against the bills of the Corporation for the above items of work.

Resolved that the action of the Vice-Chancellor be ratified.

(Pl.)

Item No. 187.46 : Works - Labour unrest - Measures to keep peace and amity at the work sites - Agreement to be executed with labour organizations - consideration of -

Deferred pending examination of the various implications of the proposal by the Works Committee.

(Pl.)

Item No. 187.47 : Agitation by a section of University employees and unauthorised absence on November 2 and 3, 1983 - Dies Non declared - reporting of.

The Syndicate noted the action of the Vice-Chancellor in having declared dies non in respect of the employees of the University who struck work on November 2 & 3, 1983.

(Ad.)

Item No. 187.48 : Registration for research leading to the award of Ph.D. degree - applications - consideration of -

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the applications for registration for research leading to the award of the Ph.D. degree, under the various faculties of the University.

Resolved that the candidates as in *Appendix XII* be granted registration for research leading to the Ph.D. degree of this University.

Resolved further the requests for registration of Shri. M. Swaminath and Shri M. K. Ravindran Nair be examined by the Vice-Chancellor, in consultation with their supervising guide, Dr. C. T. Samuel.

(Ac.)

Item No. 187.49 : School of Technology - Appointments of Experts / Course Coordinators.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for approving the detailed list of experts for handling classes for the M. Tech (Part-time) degree course of the School of Technology, submitted by the Reader-in-charge of the School.

Resolved :

- (i) The panel of names as in *Appendix XIII* be approved.
- (ii) The Reader-in-charge be authorised to select the experts according to requirements of the Course.
- (iii) The rate of remuneration for the experts from outside the University and for those from within the University be Rs. 50 per unit of lecture and Rs. 20 per hour of lecture respectively as already decided by the Syndicate.

(Ac.)

The meeting came to an end at 2 p.m.

University Buildings
Cochin - 682 022
17-12-1983

Sd/-

REGISTRAR

Appendix I to Item No. 187.03

Staff Pattern of Departments/Schools of the University

Sl. No	Department	S. O.	Asst.	Typist	Peon	Sweeper-cum Cleaner	
1.	Applied Chemistry	1	4*	2	1	0	*including Storekeeper
2.	Applied Economics	0	1	1	1	0	
3.	Electronics	1	2	2	1	0	
4.	Environmental Studies	0	1	1	1	0	
5.	Foreign Languages	0	1	1	1	0	
6.	Hindi	1	3	2	3	2	
7.	Industrial Fisheries	1	2	1	1	0	
8.	Law	1	3	3	4	2	
9.	Marine Sciences	1	5	3	2	0	
10.	Mathematics & Statistics	1	3	1	1	2	
11.	Physics	1	5*	3	3	2	*including Storekeeper
12.	Polymer Science	0	2	1	1	0	
13.	School of Continuing Education	1	4	4	3	0	
14.	School of Management Studies	1	5	7	5	2	
15.	School of Technology	0	2	1	2	0	
16.	Ship Technology	1	4	2	2	2	

APPENDIX II TO ITEM No. 187.03

DEPARTMENTAL LIBRARIES

Categories & Staff Pattern

Description	Staff Pattern	Additional staff of School of Management Studies & Department of Law for keeping the libraries open until 9 p. m.
Category A. Libraries having 5,000 volumes or more.	Asst. Librarian Grade II-1 Library Assistant Grade II-1	Reference Assistant -1 Library Asst. Grade II-1
Category B. Libraries with more than 1,000 books and upto 5000 books.*	Reference Assistant-1	
Category C. Libraries having less than 1000 books.	No special staff. The Head of the Department will make arrangements for the issue of books, but the requirements of the library will be met by the Professional staff in charge of documentation in the Central library.	

* The Library will be manned initially by a Library Asst. Grade II, until the library collection has grown sufficiently to justify the appointment of a Reference Assistant.

APPENDIX III TO ITEM NO. 187.03

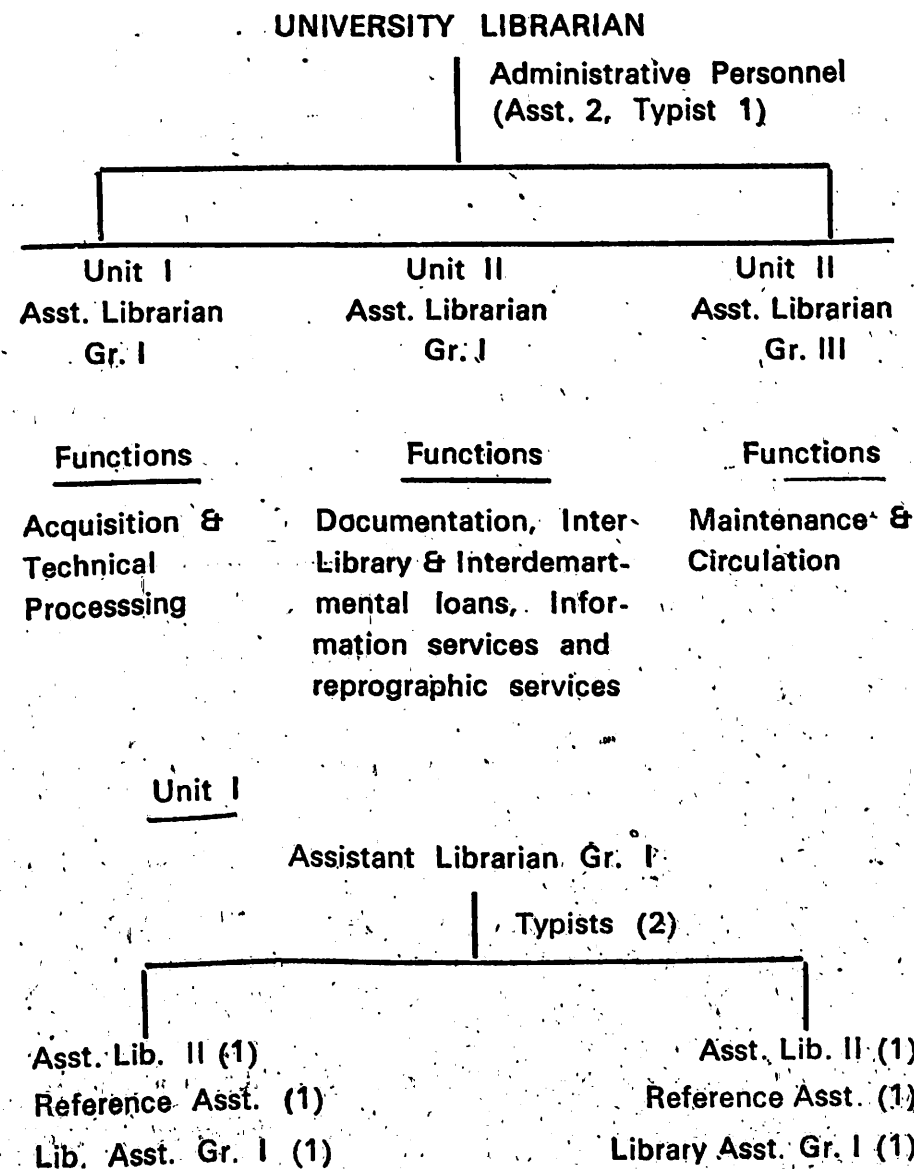
Staff pattern of the integrated Library at Lakeside campus

Deputy Librarian *	— 1	
Assistant Librarian Grade I	— 1	Professor in charge - Administrative control
Assistant Librarian Grade II	— 1	University Librarian - Technical Control
Reference Assistant	— 1	
Library Assistant Grade II	— 1	Common with the typist in the
Typist	— 1	administrative office unit.

* Note: As and when a University Librarian is appointed, the Dy. Librarian be put in charge of the Library at Lakeside Campus.

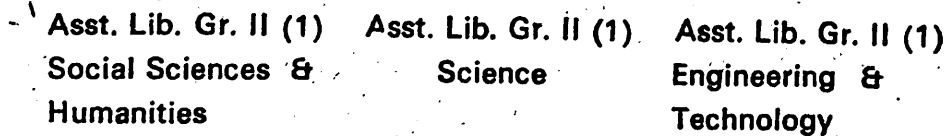
APPENDIX IV A TO ITEM NO. 187.03

Organizational Pattern - University Library

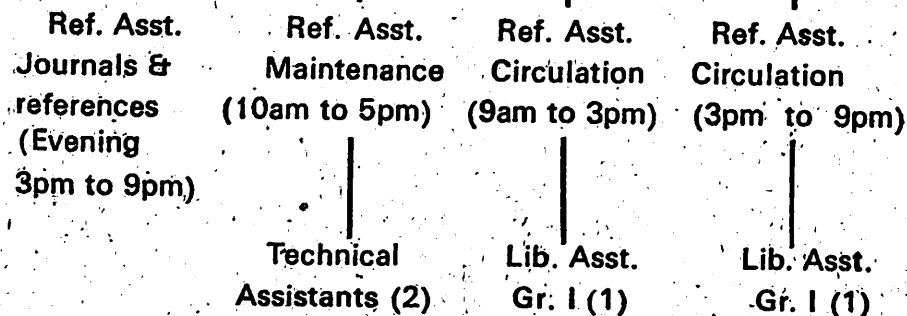


Unit II

Assistant Librarian Gr. I

Unit III

Assistant Librarian Gr. II

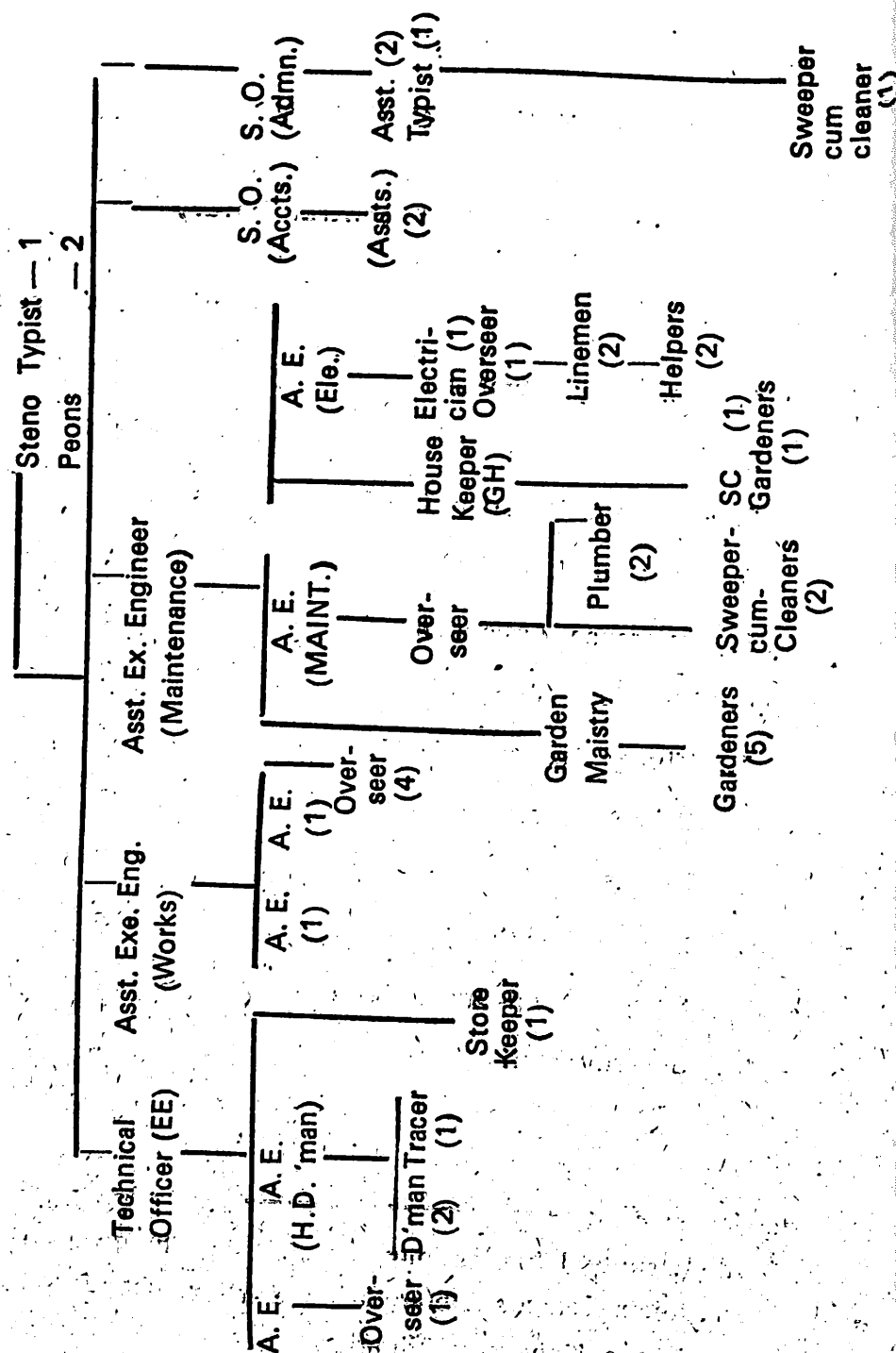


Two peons/Sweeper-cum-Duster, three library attenders and two security staff are to be suitably deployed by the Librarian.

APPENDIX IV B TO ITEM NO. 187.03**Staff pattern of central library**

	Recommended posts
1. University Librarian	1
2. Deputy Librarian*	1*
3. Assistant Librarian Gr. I	2
4. Assistant Librarian Gr. II	6
5. Reference Assistants	6
6. Technical Assistants	2
7. Library Assistant Gr. I	4
8. Office Assistants	2
9. Typists	3
10. Library Attenders	2
11. Sweeper-cum-Duster/Peon	2
12. Security staff	2

* The Deputy Librarian may be put in charge of the Ernakulam campus Library as and when the University appoints a University Librarian.

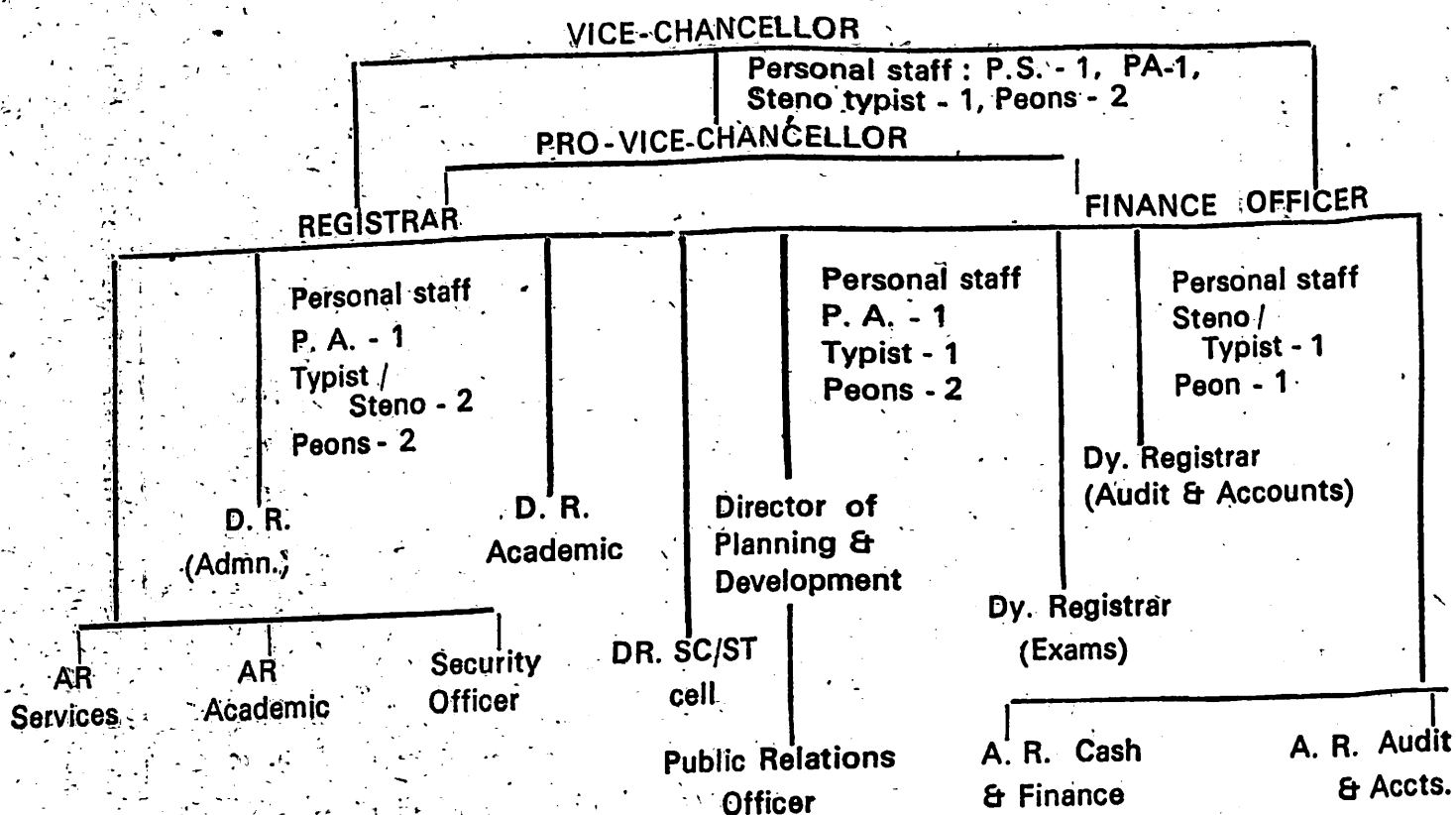


Staff Pattern for the Engineering Unit

Posts	Recommended Strength
1. University Engineer	1
2. Technical Officer (Executive Engineer)*	1
3. Asst. Executive Engineer	2
4. Asst. Engineer (including H. D'man)	6
5. Overseers and Work Superintendents)	7
6. Draughtsman	2
7. Tracer	1
8. Storekeeper	1
9. Section Officer (Accounts)	1
10. Section Officer	1
11. Typists	2
12. Assistants	4
13. Electrician	1
14. Plumbers	2
15. Lineman	2
16. Helpers	2
17. Peons	2
18. Garden Maistry	1
19. Housekeeper (Guest House)	1
20. Sweeper-cum-cleaner	4
21. Gardeners	6

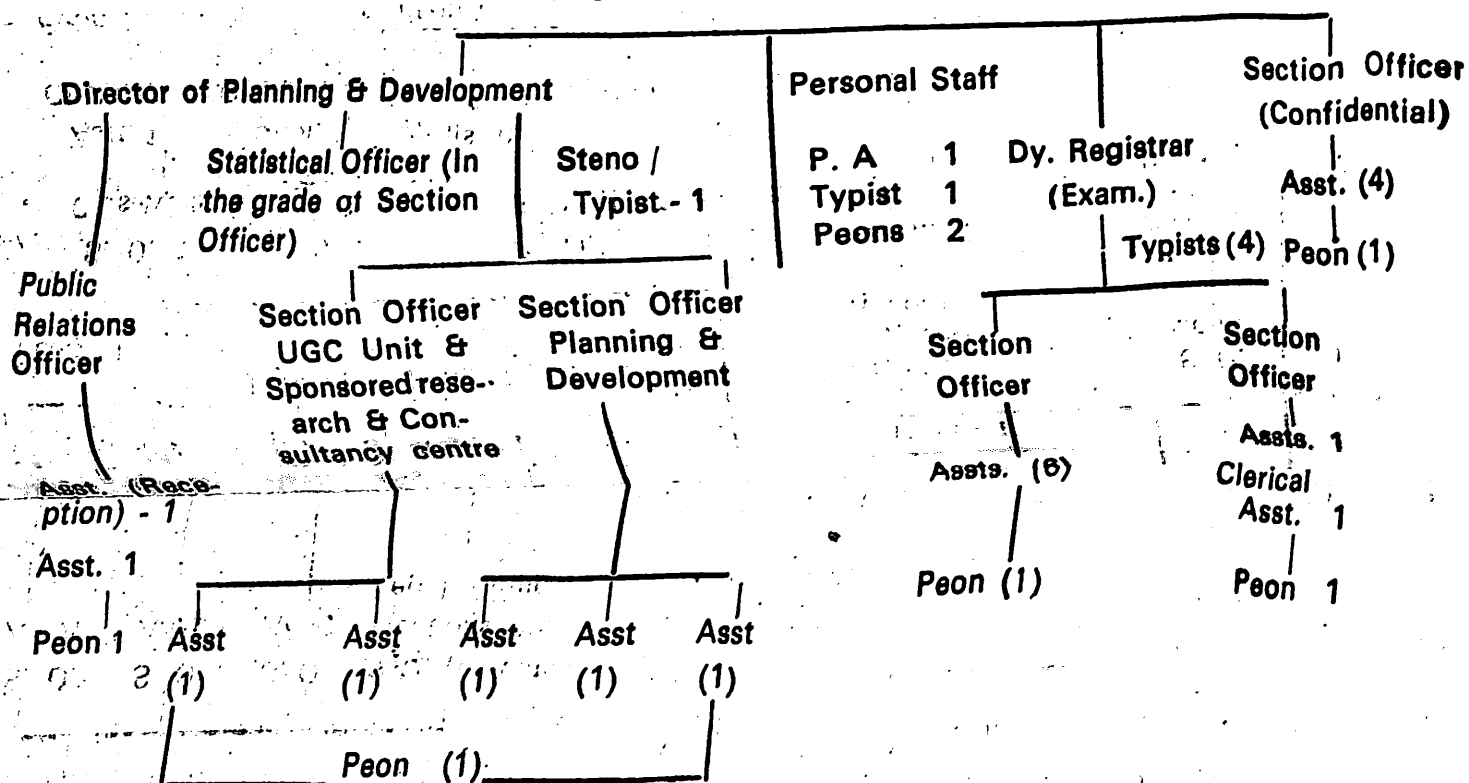
*Provided, he attends to the work of architectural design of structures as well.

APPENDIX VI TO ITEM NO. 187.03



APPENDIX VII TO ITEM NO. 187.03

PRO VICE CHANCELLOR



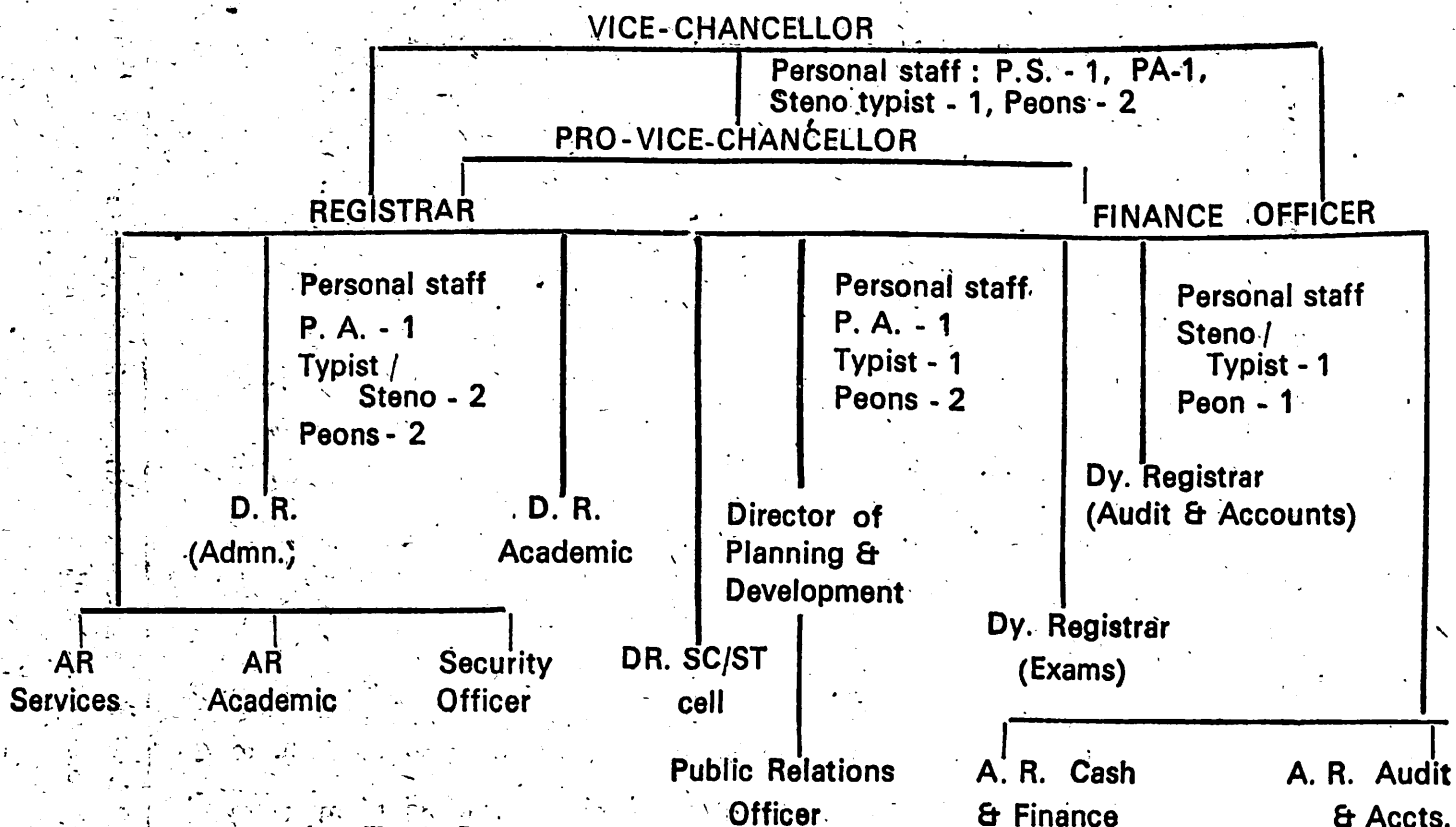
Staff Position :

Director, Pl. & Deve	- 1
P. R. O.	- 1
Statistical Officer	- 1
Section Officer	- 2
Assistants	- 7

Typist 1
Peons 2

Dy. Registrar	- 1
Section Officer	- 3
Assistants	- 11
Cl. Assistant	- 1
P. A.	- 1
Typists	- 4
Peons	- 6
Total	27

APPENDIX VI TO ITEM NO. 187.03

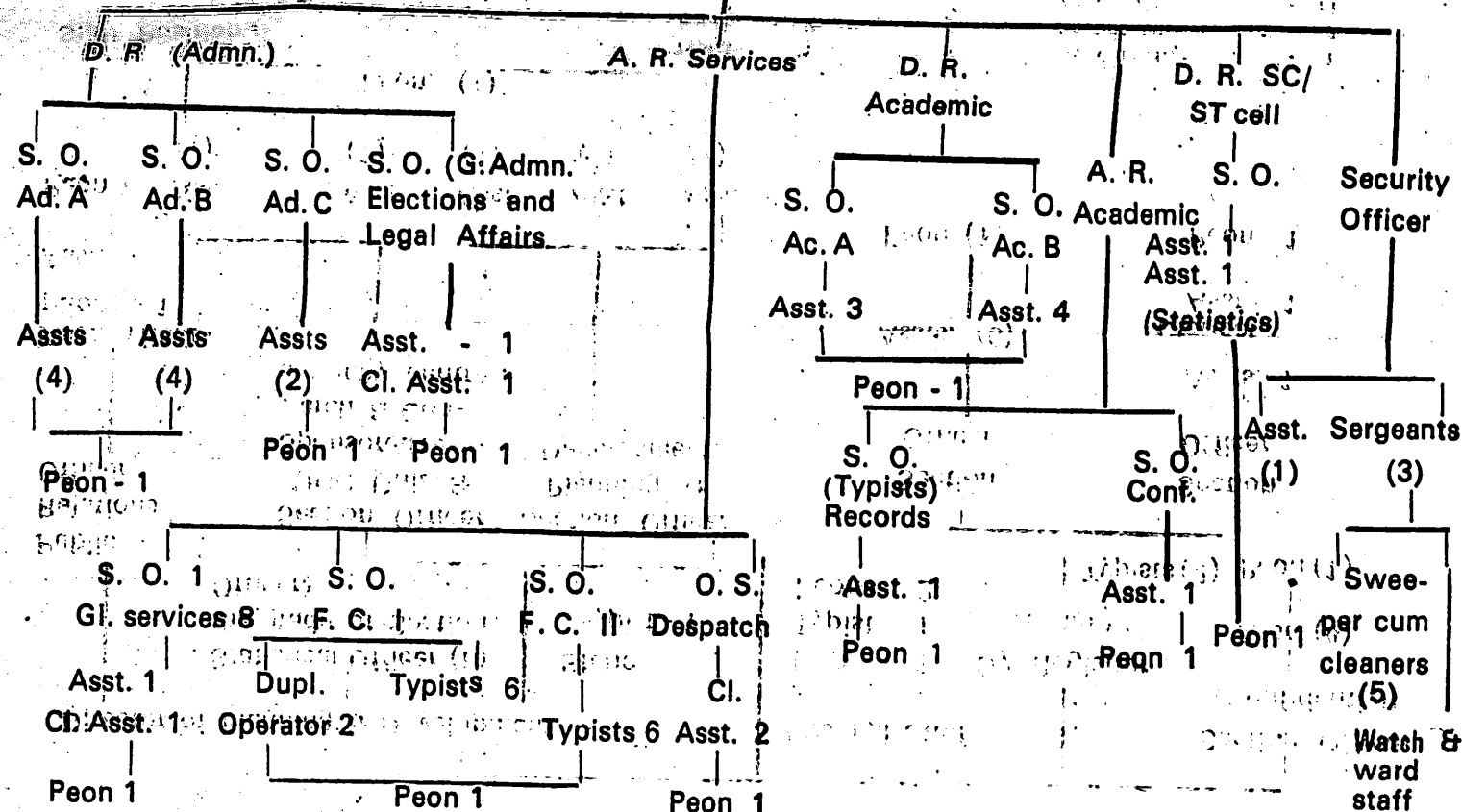


APPENDIX VIII TO ITEM NO. 187.03

REGISTRAR

Personal staff

P. A. - 1
Steno/Typist - 2
Peons - 2



Administration Section

Dy. Registr. 1
Asst. Registr. 1
Section Officer 5
Office Supdt. 1
Assistants 12
Section Officer (Typist) 2

Academic Section

Dy. Registrar 1
Asst. Registrar 1
S. O. 3
S. O. Typists 1
Assts. 9
Peons 3

SC/ST cell

Dy. Registr. 1
S. O. 1
Assts. 2
Peon 1

Security Section

Security Officer 1
Assistant 1
Sergeants 3
Watch & Ward
Sweeper-cum-Cleaners

APPENDIX IX TO ITEM NO. 187.03

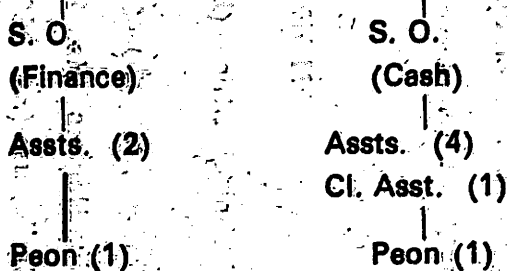
FINANCE OFFICER

Personal staff

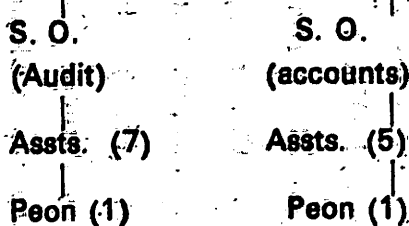
Steno to F. O. - 1
Peon - 1

DEPUTY REGISTRAR (Audit & Accounts)

Assistant Registrar Finance & Cash



Section Officer - 4
Assistants - 20
Typist - 1



Peons - 6
Clerical Assistant - 1

Assistant Registrar (Internal Audit & Inspection)

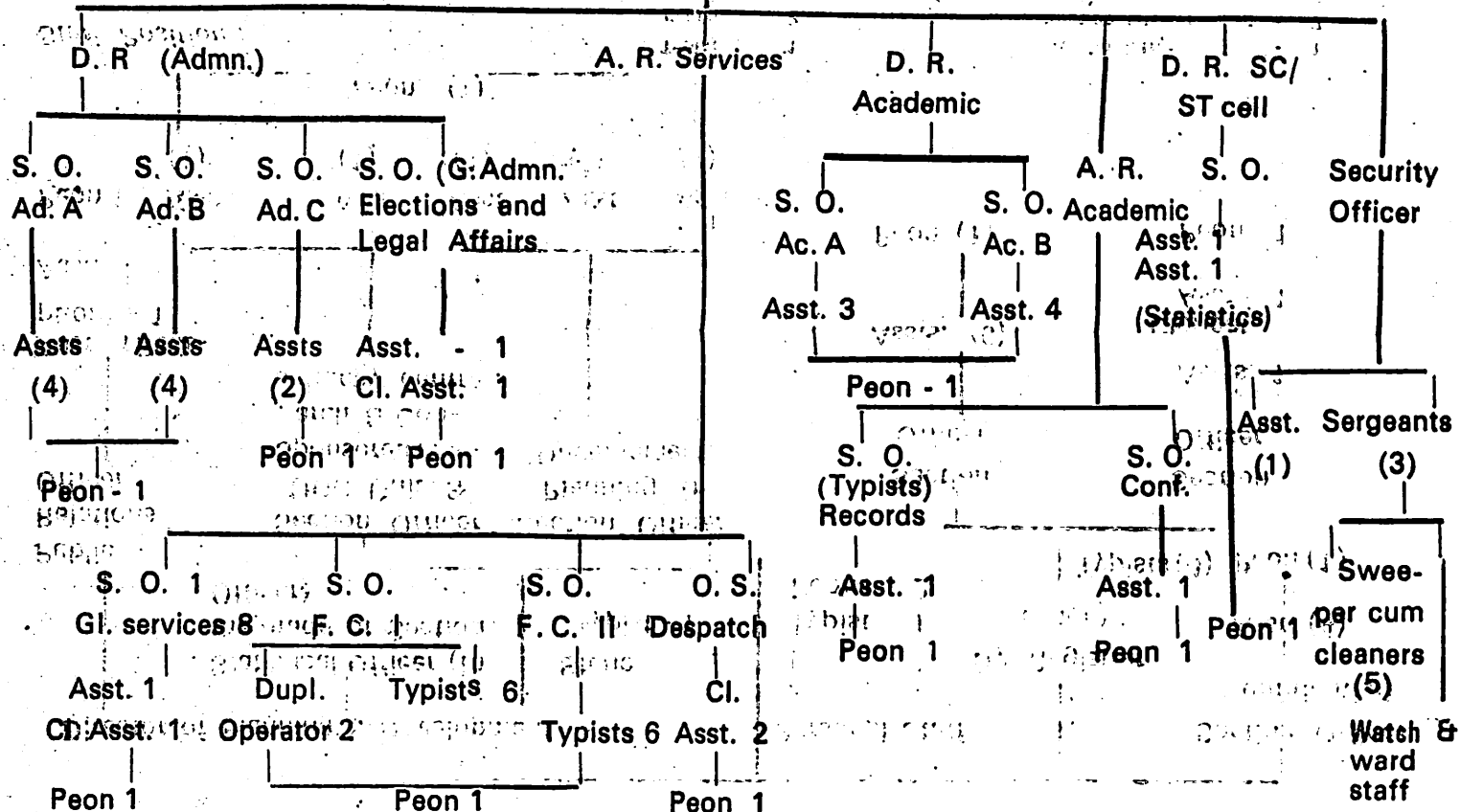
Asst. 1 Asst. 1

APPENDIX VIII TO ITEM NO. 187.03

REGISTRAR

Personal staff

P. A. - 1
Steno/Typist - 2
Peons - 2



Administration Section

Dy. Registr. 1
Asst. Registr. 1
Section Officer 5
Office Supdt. 1
Assistants 12
Section Officer (Typist) 2

Academic Section

Dy. Registrar 1
Asst. Registrar 1
S. O. 3
S. O. Typists 1
Assts. 9
Peons 3

SC/ST cell

Dy. Registr. 1
S. O. 1
Assts. 2
Peon 1

Security Section

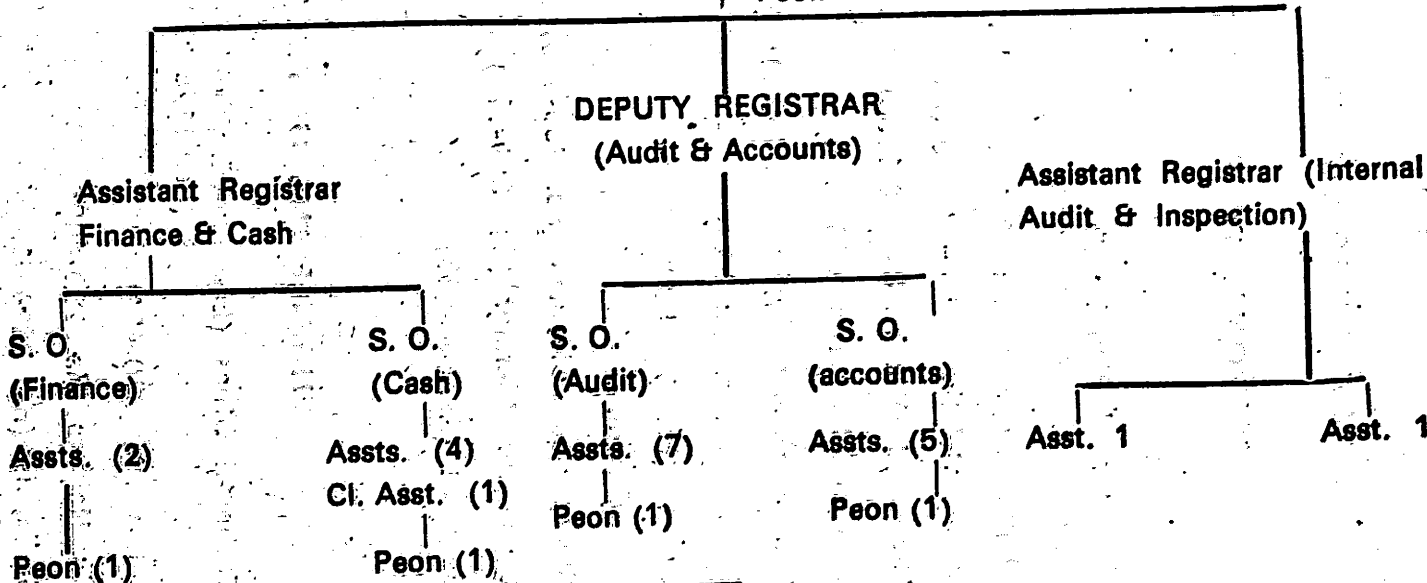
Security Officer 1
Assistant 1
Sergeants 3
Watch & Ward 1
Sweeper-cum-Cleaners 1

APPENDIX IX TO ITEM NO. 187.03

FINANCE OFFICER

Personal staff

Steno to F. O. - 1
Peon - 1



Section Officer - 4
Assistants - 20
Typist - 1

Peons - 5
Clerical Assistant - 1

APPENDIX X TO ITEM No. 187 03

ADDITIONAL POSTS CREATED

	No. of Posts
I. Director of Planning & Development (Rs. 1450-2050) 1)	1
II. Deputy Registrar (Rs. 1200-1800) 2)	2
III. Public Relations Officer (Rs. 910-1550) 3)	1
IV. Statistical Officer (Rs. 650-1150) 4)	1
V. Section Officer (Rs. 650-1150)	4
VI. Section Officer (Typist) (Rs. 650-1150) 5)	1
VII. Assistants (Rs. 350-580)	18
VIII. Typists (Rs. 350-580)	11
IX. Library Attenders	3
X. Sweeper-cum-Cleaners (Rs. 280-400) 6)	2
XI. Duplicator Operator (Rs. 330-515)	1
XII. Sergeant (Rs. 390-685)	1

ENGINEERING UNIT

XIII. Technical Officer (Executive Engineer) (Rs. 1125-1735) 7)	1
XIV. Tracer (Rs. 370-400)	1
XV. Line Helpers (Rs. 280-400)	2
XVI. Gardeners (Rs. 280-400)	5

CENTRAL LIBRARY

XVII. Reference Assistant (Rs. 600-1100) 1

- 1) By upgradation of the present post of Planning & Development Officer
- 2) One post for the Examination Section and the other for the U. G. C. SC/ST Cell.
- 3) The qualifications for the post:
 - 1) Post-Graduate degree 2) Diploma in Journalism.
 - 3) About three years/experience in the field of Journalism/Public Relations work.
 - 4) The qualifications for the Post: M.Sc. in Statistics with experience/training in Computer Programming.
 - 5) The post is for the Records Section
 - 6) In lieu of three corresponding posts of peon.
 - 7) In lieu of the present post of Technical Officer at the level of Asst. Executive Engineer.

NOTE: Posts serially numbered III, IV, VII, VIII, X, XII, XIII, XIV, XV, XVI and XVII shall be filled through direct recruitment.

APPENDIX XI TO ITEM No. 187.38

List of vacant teaching posts to be advertised.

1. Posts last advertised, but not filled.

Department	Specialisation
------------	----------------

Category A. Professor

- | | |
|---|-----------------------------------|
| 1. Department of Mathematics & Statistics | Applied Mathematics |
| 2. Department of Industrial Fisheries | Fishing Craft and Gear Technology |
| 3. Department of Ship Technology | Ship Motion and Manoeuvrability |
| 4. Department of Applied Chemistry | Physical Chemistry |
| 5. Department of Mathematics & Statistics | Pure Mathematics |

Category B. Reader

- | | |
|------------------------------------|------------------------|
| 1. Department of Law | Jurisprudence |
| 2. Department of Applied Economics | Econometrics |
| 3. Department of Applied Economics | Mathematical Economics |

- | Department | Specialisation |
|--|------------------------------------|
| 4. Industrial Fisheries | Fishery Economics |
| 5. Industrial Fisheries | Fish Processing |
| 6. Department of Ship Technology | Resistance and Propulsion of Ships |
| 7. Department of Marine Sciences | Meteorology |
| 8. Department of Polymer Science & Rubber Technology | Plastic Technology |
| 9. School of Management Studies | Management Studies |
| 10. School of Management Studies | Short vacancy of (K. J. Vincent) |

Category C. Lecturer

- | | |
|--------------------|--------------------|
| 1. Ship Technology | Applied Mechanics |
| 2. Ship Technology | Fluid Mechanics |
| 3. Ship Technology | Naval Architecture |
| 4. Ship Technology | Naval Architecture |

II. Vacancies consequent on certain teachers of the University having been appointed to higher categories.

Category B. Reader

Department	Specialisation
1. Marine Sciences	Chemical Oceanography ²⁾
2. Hindi	Hindi ²⁾
3. Management Studies	Management Studies ³⁾

Category C. Lecturer

1. Law	Jurisprudence/ Commercial Law/Criminal Law
2. Law	-do- ⁽⁴⁾
3. Law	-do- ⁽⁴⁾
4. Marine Sciences	Marine Geology ¹⁾
5. Mathematics & Statistics	Operations Research/ ⁸⁾ Computer Applications
6. Environmental Studies	Planktonology ⁶⁾

III. Posts Instituted by the Senate at its meeting held on 22-10-1983, on the basis of the recommendation of the VI Plan Visiting Committee of U. G. C.

Category A- Professor

1. Dept. of Environmental Studies : Environmental Studies
2. Department of Law : Jurisprudence
3. Dept. of Mathematics & Statistics: Statistics.

Note: 1. Vacancy of Dr. P. N. Krishnan Nambisan appointed Professor.

2. Vacancy of Dr. P. V. Vijayan provisionally appointed Professor subject to the result of O. P. pending before the High Court.

3. Vacancy of Shri P. Ramachandra Poduval appointed Professor subject to the result of O. P. pending before the High Court.

4. Vacancy of Shri N. S. Chandrasekharan appointed Reader.

5. Vacancy of Shri Joseph Vadakethala appointed Reader.

6. Vacancy of Shri K. N. Chandrasekhara Pillai appointed Reader.

7. Vacancy of Dr. K. T. Damodaran appointed Reader.

8. Vacancy of Dr. A. Krishnamoorthy appointed Reader.

9. Vacancy of Dr. K. P. Balakrishnan appointed Reader to the instituted post. The post of Reader that, he was holding until then was personal to him granted through upgradation of his original post viz. that of Lecturer in Planktonology.

Category B. Readers

Department	Specialisation
1. Dept. of Electronics	Electronics
2. Dept. of Environmental Studies	Environmental Studies
3. Dept. of Foreign Languages	German
4. Dept. of Hindi	Hindi
5. Dept. of Industrial Fisheries	Industrial Fisheries
6. Dept. of Physics	Electronics

Category C. Lecturers

1. Dept. of Electronics	Electronics
2. Dept. of Environmental Studies	Environmental Studies
3. -do-	Environmental Studies
4. Dept. of Marine Sciences	Aquaculture / Aquarium (Curator)
5. Mathematics & Statistics	Statistics
6. Dept. of Physics	Physics

IV. Vacancies due to resignations

Category	Department	Specialisation
B	Marine Sciences	Microbiology ¹⁾
A	Ship Technology	Naval Architecture ²⁾
1)	Vacancy of Dr. D. Chandramohan resigned	
2)	Anticipated vacancy of Prof J. P. Kundu.	

APPENDIX XII FOR ITEM No. 187.48

Sl. No.	Name of the applicants whether (Part-time or Full-time)	Name of the guide and centre of research number of scholars already registered	Topic of Research
(1)	(2)	(3)	(4)
1.	Sri. E. J. Francis (Full-time)	Dr. P. Madhavan Pillai Dept. of Applied Chemistry FT - 2, PT - 3.	"Microbial Transformations of Natural Products
2.	Sri. P. Jose David (Full-time)	Dr. Paul A. Vatakencherry Dept. of Applied Chemistry (4 candidates)	Studies on the Synthesis of Vitamin A and related compounds.
3.	Sri. C. Manmadhan (Full-time)	-do-	"Studies on assymetric Reactions".
4.	Sri. P. M. Mathew (Full-time)	Dr. T. Thrivikraman (Dept. of Maths. & Statistics) FT - 3 PT - 3	"Studies in Topology and analysis

(1)	(2)	(3)	(4)
5. Sri. Alexander Ifeanyi NWOSU (Full-time)	Dr. Paul A. Vatakencherry Dept. of Applied Chemistry (4 candidates)	Studies on Metathesis Reaction and its application to Organic Synthesis	
6. Sri. K. J. Mathew (Full-time)	Dr. P. K. Mohammed Yusuff Dept. of Applied Chemistry (Nil)	Studies on some Transition metal complexes of dithioche- late ligands	
7. Sri. C. J. Thomas (Full-time)	-do-	Studies on Some metal comple- xes of Imidazoles and related ligands	
8. Smt. Lissy Jose (Full-time)	Dr. S. Sugunan Dept. of Applied Chemistry One Full time	Activity coefficients of <u>reactive</u> non-electrolytes in water and salt solutions	

(1)	(2)	(3)	(4)
9. Sri. Sanjeev Bhat V. (Full-time)	Dr. P. Madhavan Pillai Dept. of Applied Chemistry One - FT Three - PT	Studies on Carbohydrates	
10. Sri. Ajith Kumar K. A. (Full-time)	Dr. V. N. Sivasankara Pillai Dept. of Applied Chemistry One-Full time	Synthesis characterisation and application of Lantharide phthalocyanines.	
11. Smt. B. Jayasree (Full-time)	-do-	Studies on the Synthesis of Macrolide antibiotics.	
12. Sri. M. Anilkumar (Full-time)	Dr. Paul A. Vatakencherry Department of Applied Chemistry 4 candidates	Studies on the Chemistry of waste products of cellulose manufacture.	

(1)	(2)	(3)	(4)
13. Smt. Leela S. Nair (Full-time)	Dr. V. N. Sivasankara Pillai Dept. of Applied Chemistry One-Full-time	Analytical and physics Chemical Studies on Synthetic Polymer Complexions	
14. Smt. Susan Varkey	-do-	" Synthesis, Characterisation and analytical applications of poly clecholytes and polymer complexons Derived from natural Polymers".	
15. Sri. Boban Thomas (Full-time)	Dr. M. G. Krishna Pillai Dept. of Physics One - Full time	Studies on Amorphus Thin films	
16. Sri. Mammen Samuel (Full-time)	Dr. C. Purushothaman Dept. of Physics One - F. T. One - P. T.	Holographic study of surfaces of thin films and solids	
17. Sri. Rajasenan D. (Part-time)	Dr. K. C. Sankaranarayanan Dept. of Applied Economics FT - 5 PT - 4	"Fishing Industry in Kerala - Problem and Potentials".	

APPENDIX XIII TO ITEM No. 187.49

**LIST OF FACULTY FOR THE SECOND BATCH OF
M. TECH. PART-TIME DEGREE COURSE**

Civil Engineering

Course Co-ordinator

Subject

1. Dr. N. Ramanujam,
Lecturer,
Dept. of Mathematics,
University of Cochin,
Cochin-22.

C 201 Computational
Techniques

2. Shri Babu T. Jose
Reader, School of
Technology
University of Cochin,
Cochin-22.

C 202 Construction
Management

3. Dr. S. Unnikrishna Pillai
Principal,
Regional Engineering College
Calicut-673 601.

C 203 Advanced Design of
Structures.

Mechanical Engineering

4. Shri E. M.

Somasekharan Nair
Reader, Dept. of Ship
Technology,
University of Cochin,
Cochin.

M 201 Computational
Techniques

Course Co-ordinator**Subject**

- | | |
|---|----------------------------------|
| 5. Dr. P. A. Ramaswamy
Sr. Consultant, KITCO
M. G. Road, Cochin-16. | M 202 Testing and Inspection |
| 6. Shri. K. Mohandas
Dept. of Mechanical Engg.,
Engineering College
Trichur-9. | M 211 Plant Maintenance |
| 7. Shri T. R. Premnath
Lecturer
School of Technology
University of Cochin,
Cochin-22. | M 221 Advanced Machine
Design |

Electrical Engineering

- | | |
|---|--|
| 8. Dr. C. P. Kuriakose
48/2182 A, Alumchodu
Padivattom. | E 202 Control System
Engineering |
| 9. Dr. (Mrs.) P. V. Deo
Reader,
Dept. of Electronics
University of Cochin,
Cochin-22. | E 211 Power Electronics |
| 10. Shri S. T. Thampi
Scientist, NPOL
Naval Base,
Cochin-4. | E 221 Electronic Circuits and
Devices |

Chemical Engineering**Course Co-ordinator****Subject**

- | | |
|--|---|
| 11. Shri K. E. George
Dept. of Polymer Science
and Rubber Technology,
University of Cochin,
Cochin-22. | Ch 201 Computational
Techniques |
| 12. Shri K. Sankaran
Head of Dept. of
Chemical Engg.,
T. K. M. College of
Engineering,
Quilon. | Ch 203 Fundamentals of
Project Engineering |

Electrical Engineering

- | | |
|---|-----------------------------------|
| 13. Shri S. Babu Sunder
Lecturer
Dept. of Mathematics
University of Cochin
Cochin-22. | E 201 Computational
Techniques |
|---|-----------------------------------|

I. Panel of Experts

- | |
|---|
| 1. Dr. K. K. Punnoose
Dept. of Civil Engineering
M. A. College of Engineering
Kothamangalam. |
|---|

2. Smt. V. Jayakumari
Lecturer
School of Technology
University of Cochin
Cochin-22
3. Shri B. K. Nair
Director
Kerala State Productivity Council
Kalamassery-683 104.
4. Shri A. M. Salim
Chief (Projects)
State Planning Board
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10. Sri R. P. Sasikumar
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11. Sri Joseph Alexander
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12. Shri B. K. Lal
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III. Electrical Engineering

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14. Shri N. V. George
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16. Shri Baby K. Issac
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17. Shri C. P. Philipose
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18. Shri S. Ayyappan Pillai
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22. Shri C. G. Soman
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1 23. Shri A. Asokan

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24. Shri Abuthahi Ali SMS

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