

Minutes of the 176th meeting of the Syndicate held on 5-3-1983

Place of meeting : Hill Palace
Tripunithura.

Time : 11.00 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. C. Gheriyan
5. Dr. P. J. George
6. Dr. P. N. Krishnan Nambisan
7. Dr. M. P. Parameswaran
8. Shri. M. K. Raghavan
9. Dr. K. Sathianandan
10. Dr. Paul A. Vatakencherry
11. Prof. P. S. Velayudhan

Item No. 176.01. Confirmation of the minutes of the 175th meeting of the Syndicate held on 5-2-1983.

Resolved that the minutes of the 175th meeting of the Syndicate held on 5-2-1983 be confirmed.

(Conf)

Item No. 176.02. Report of the Vice-Chancellor on important developments in the University since the last meeting.

1. The Report of the Expert Committee constituted for formulating a plan for the further development of the University as the Science and Technology University of Kerala State has been received well by the various Science & Technology Departments of the Government of India.

2. The Ministry of Education, Government of India has sanctioned Rs. 20 lakhs to this University for establishing a Centre for Research in Microprocessor Applications and for strengthening Instrumentation facilities.

3. Among the distinguished visitors to the University since the Syndicate met last were Dr. A. Christodoulou, Secretary General of the Association of Commonwealth Universities and Mr. George Neumann, Director, German Academic Exchange Service, New Delhi.

4. The Vice-Chancellor participated in a Workshop organised by the Department of Science & Technology at Hyderabad on Science and Entrepreneurship Park (STEP). It is most likely that the University of Cochin will get assistance for establishing such a Park.

5. In about 8 weeks' time the Department of Ship Technology can expect assistance from the D. S. T. a Micro-computer for the scheme on Computer-aided Ship Design. This computer will be a central facility available to all the departments of the University.

6. A group of students has put forward a demand that they should be permitted to stay on in the hostels during the vacation. The demand has been rejected.

7. Interviews for various teaching positions are over.

8. This years' Public Law Lectures will be delivered by Prof. T. S. Rama Rao of the University of Madras.

Item No. 176.03. Report of the Expert Committee - Consideration of -

The Syndicate considered the report of the Expert Committee appointed to prepare a plan and a strategy for the development of the University.

Resolved that the report be generally accepted and placed before the ensuing meeting of the Senate.

Resolved further that the views of the Senate be taken into account by the Syndicate while discussing the report.

(Conf.)

Item No. 176.04. U. G. C. special cell for SC/ST - establishment of - Reg.

Deferred.

Item No. 176.05. Implementation of the recommendation of the III Kerala Pay Commission regarding the granting of higher grade in the ratio 1:3 between higher grade and lower grade for Assistant Engineers in the Engineering Department - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for implementing in the University the III Pay Commission recommendation granting higher grade to Assistant Engineers in the Kerala Public Works Department in the ratio 1:3 between higher grade and lower grade, and the request of Shri N. T. John, Assistant Engineer, Engineering Department of the University, for granting him the higher grade.

Resolved that

- (i) the III Kerala Pay Commission recommendation granting higher grade to Assistant Engineers in the ratio 1:3 between higher grade and lower grade be implemented in the University;
- (ii) Shri. N. T. John, Assistant Engineer, Engineering Department of the University, be granted the higher grade of Rs. 700-1270.

(Ad.)

Item No. 176.06. Filling the vacancies of Assistant Engineer - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the request of Shri K. Vijayan Menon, Overseer Grade I, Engineering Department, for appointment as Assistant Engineer, in relaxation of the two years of service as Overseer Grade I required under the rules.

Resolved that no relaxation of the rules be given.

(Ad.)

Item No. 176.07. Rates of special allowance for evening duty - revision/relaxation - consideration of.

Deferred for consideration at a later meeting along with details regarding present rates of special allowance available to employees of Government colleges and other Universities in the State.

(Ad.)

Item No. 176.08. Shri M. T. Antony, Head Draughtsman/ Assistant Engineer - sanctioning of leave exceeding 4 months - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for granting Shri M. T. Antony, Head Draughtsman, Engineering Department, leave of various kinds in combination exceeding 4 months.

Resolved that Shri M. T. Antony be granted commuted leave for 13 days from 31-10-1982 to 12-11-1982 and half pay leave for 139 days from 13-11-1982 to 31-3-1983 on medical grounds, in continuation of earned leave for 6 days from 25-10-1982 to 30-10-1982.

(Ad.)

Item No. 176.09. Application for extension of leave - request of Shri M. Mohammed Abdulkhader - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the request of Shri M. Mohammed Abdulkhader, Deputy Registrar, for leave without allowances for 13 days in continuation of leave already granted to him.

Resolved that Shri M. Mohammed Abdulkhader, Deputy Registrar, be granted leave without allowances for 13 days from 1-1-1983 to 13-1-1983 in continuation of leave for the period 30-8-1982 to 31-12-1982, already granted to him.

(Ad.)

Item No. 176.10. Detailed O & M Study to assess the requirements of the University in respect of non-teaching staff - consideration of -

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for conducting an O & M Study of the administrative structure and procedures of the University, and for entrusting the work with Shri H. B. Das, Management consultant, D-80 Malaviya Nagar, New Delhi.

Resolved that the proposal be accepted in principle and that a preliminary internal study be made before the O & M Study by an outside agency is undertaken.

Shri S. C. S. Menon dissented;

(Pl.)

Item No. 176.11. Project proposal on "Computer aided Ship design" by Department of Ship Technology - implementation - consideration of -

The Syndicate considered, along with the recommendations of the Standing Committees on Staff & Establishment and Finance & Purchase, the proposal for implementing in the University a project on "Computer aided Ship design" sanctioned by the Department of Science & Technology, at a total cost of Rs. 6,33,200.

Resolved that the project be implemented in the University under the supervision of Shri M. P. George, Lecturer, Department of Ship Technology.

(Ac.)

Item No. 176.12. Demands of Employees' Organisations - Recommendations of the Special Committee of the Syndicate.

Resolved to await the final recommendations of the Committee which is meeting again on March 15 & 16, 1983.

(Ad.)

Item No. 176.13. Registration for research - granting of -

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for granting registration for research to thirty three applicants.

Resolved that the candidates as in *Appendix I* be granted registration for research leading to the Ph. D. degree.

(Ac.)

Item No. 176.14. Annual Report of the University for the year 1981-82 - Consideration of.

The Syndicate considered the Annual Report on the working of the University for the year 1981-82 to be submitted to the Senate.

Resolved that the report be approved and that the same be placed before the Senate.

(Pl.)

Item No. 176.15. On Energy Exchange between Sea and Atmosphere from the Indian Ocean with Special reference to Arabian Sea and Bay of Bengal" submitted by Smt. R. Padmini for the Ph. D. degree under the faculty of Marine Sciences - Evaluation reports of the examiners - Consideration of -

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

of the examiners and the consolidated report of the Chairman, Board of Examiners, on the Ph.D. thesis: "STUDIES ON ENERGY EXCHANGE BETWEEN SEA AND ATMOSPHERE FROM THE INDIAN OCEAN WITH SPECIAL REFERENCE TO ARABIAN SEA AND BAY OF BENGAL," submitted by Smt. R. Padmini, Part-time research scholar, who had worked under the supervision of Dr. A. V. S. Murty, CMFRI, Cochin.

Resolved that Smt. R. Padmini be awarded the degree of Doctor of Philosophy under the Faculty of Marine Sciences for her thesis: "STUDIES ON ENERGY EXCHANGE BETWEEN SEA AND ATMOSPHERE FROM THE INDIAN OCEAN WITH SPECIAL REFERENCE TO ARABIAN SEA AND BAY OF BENGAL."

(Exam.)

Item No. 176.16. Ph. D. thesis submitted by Shri K. Mohanachandran - 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: FORMATION AND ELECTRICAL PROPERTIES OF POLYACRYLONITRILE THIN FILMS PREPARED BY PLASMA-POLYMERISATION, " submitted by Shri K. Mohanachandran, full-time research scholar, who worked under the supervision of Dr. K. Sathianandan, Head of the Department of Physics.

The Syndicate selected for appointment external examiners for the evaluation of the thesis submitted by Shri K. Mohanachandran.

(Exam.)

Item No. 176.17. Ph.D. thesis submitted by Shri M. S. Syed Ismail Koya - 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: "ECOBIOLOGY OF HELMINTH PARASITES OF MARINE FISHES AND MOLLUSCS OF THE NEAR-SHORE AND OFFSHORE WATERS (COCHIN AREA), " submitted by Shri M. S. Syed Ismail Koya, full-time research scholar, Department of Marine Sciences, who worked under the supervision of Dr. A. Mohandas.

The Syndicate selected for appointment external examiners for the evaluation of the thesis submitted by Shri Syed Ismail Koya.

(Exam.)

Item No. 176.18. University Merit Scholarship - Anomalies in the Rules of award - Consideration of -

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the question of removing certain anomalies in the existing rules for the award of University merit scholarships.

Resolved:

- (i) The award of merit scholarship be on the basis of the rank list for admission to the courses concerned.
- (ii) The scholarship once allotted be discontinued in the event of failure of the allottee at an examination.

- (iii) The scholarship thus becoming vacant be reallocated to the next eligible candidate. A semester for this purpose be treated as six months.

Item No. 176.19. School of Continuing Education - extension of the term of appointment of Prof. V. Karunakara Menon - Course Director - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for extension of the term of appointment of Prof. V. Karunakara Menon, Course Director for the M.Sc. degree Course in Mathematics (by correspondence).

Resolved that the present term of appointment of Prof. V. Karunakara Menon be extended for one year under the existing terms and conditions.

(Ac. A.)

Item No. 176.20. Recognition as supervising guides - requests - consideration of -

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the requests of Dr. A. P. Kuriakose, Reader, Department of Polymer Science and Rubber Technology, and Dr. D. V. Viswanathan, Lecturer, Department of Marine Sciences, for recognition as supervising teachers for research.

Resolved that Dr. A. P. Kuriakose and Dr. D. V. Viswanathan be granted recognition as research supervisors in the Faculties of Technology, and Marine Sciences, respectively.

(Ac.)

Item No. 176.21. Audit Report on the Accounts of the University for the year 1980-81 - First replies - consideration of.

The Syndicate considered, along with the recommendation of the Standing Committees on Staff, & Establishment and Finance & Purchase, the first replies to the Audit Report on the Accounts of the University for the year 1980-81.

Resolved that the first replies to the Audit Report on the Accounts of the University for the year 1980-81 be approved for submission to the Senate.

Resolved further that a Senior Grade Assistant be specially assigned the work of clearing pending paragraphs in the Audit Report.

(Fin.)

Item No. 176.22. Excess fuel consumption in the Tempo van attached to the Department of Ship Technology 1979-80, 1980-81 and 1981-82 & Loss of cheques-fixing of civil liability-Reg.

Deferred for consideration at the next regular meeting of the Syndicate.

(Fin.)

Item No. 176.23. Department of Applied Chemistry - Purchase of Reporting Integrator and other accessories-Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for purchasing various items of equipment for the Department of Applied Chemistry at an approximate cost of Rs. 85,995/-

Resolved that purchase of the following items of equipment for the Department of Applied Chemistry at an approximate cost of \$8775.10 from M/s. Hewlett Packard Asia Ltd., Hongkong through M/s. Blue Star be sanctioned.

1. Hewlett packard Integrator 3390 A

1 No. \$ 3650.00

2. Chart paper (carbon of 4 rolls)

5 Nos. \$ 390.00

3. Service Kit

1 No. \$ 3300.00

4. Service manual

1 No. \$ 19.50

5. Quick reference guide

1 No. \$ 15.60

6. Columns

1 set \$ 800.00

Total \$ 8175.10

Freight charges \$ 600.00

Total value Rs. 85,995/- (approximate)

(Ad. C.)

Item No. 176.24. National Children's Emergency Fund - request for financial assistance - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the question of making a contribution to the National Children's Fund, as requested by the Government of India.

Resolved that a sum of Rs. 1000/- be contributed to the National Children's Fund.

(Ac. A)

Item No. 176.25. Laboratory charges-regulation of expenditure - norms fixing of.

The Syndicate considered, along with the recommendations of the Standing Committees on Finance & Purchase, and on Academic Matters, the question of prescribing norms for regulating expenditure on Laboratory charges including chemicals and stores for the various teaching-cum-research departments of the University.

Resolved that each Head of the Department be requested to prepare a statement of anticipated expenditure under the head laboratory charges on the basis of actual expenditure per student incurred last year and indicating the requirements in respect of full-time and part-time students separately.

(Ac.)

Item No. 176.26. Data on telephone charges - STD cutting of - Reg.

Deferred for consideration at the next meeting.

(G. Admn. & El.)

Item No. 176.27. Pilot Study and plan for Kuttanad Ecosystem - implementation of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for implementing the UNESCO funded research

project on Kuttanad Ecosystem under the investigatorship of Dr. K. P. Balakrishnan, Head of the School of Environmental Studies.

Resolved that the UNESCO sponsored project on Kuttanad Ecosystem at a cost of Rs. 50,000/- be implemented in the University.

(Ac.A)

Item No. 176.28. Upgradation of the post of Reader held by Dr. C. Purushothaman - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the proposal for granting Dr. C. Purushothaman, Reader Department of Physics, promotion as Professor as per norms for the upgradation of teaching posts in University teaching departments.

Resolved that the proposal for the upgradation of the post of Reader in Physics held by Dr. C. Purushothaman, to that of Professor be placed before the Academic Council for its recommendation to the Senate for the institution of a post of Professor for giving Dr. C. Purushothaman personal promotion as Professor.

(Ad.)

Item No. 176.29. Filling up of leave vacancy of Shri A. M. Thomas, Dy. Registrar - reg.

The Syndicate noted the action of the Vice-Chancellor, in having temporarily appointed Shri K. Madhusudanan Nair,

Assistant Registrar (Academic), to the post of Deputy Registrar (Academic), during the period of leave of Shri A. M. Thomas, Deputy Registrar (Academic)

(Ad.)

Item No. 176.30. University Engineer - charge allowance to Shri P. B. Bharathan, Assistant Executive Engineer - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Staff & Establishment, the request of Shri P. B. Bharathan, Assistant Executive Engineer, for charge allowance for having held additional charge of the office of the University Engineer w. e. f. 31-1-1981.

Resolved that Shri P. B. Bharathan, Assistant Executive Engineer, be granted charge allowance for the period of his holding additional charge of the office of the University Engineer at the rate admissible to officers of his class.

(Ad.)

Item No. 176.31. Engagement of Guest Lecturers in the Department of Mathematics & Statistics - Proposal Consideration of.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal of the Head of the Department for engaging guest lecturers for the various courses run by the Department of Mathematics & Statistics.

Resolved that the following persons be engaged as Guest Lecturers for the Department of Mathematics & Statistics as per details given below:-

1. Shri P. S. Janardhanan Nayar
Former Reader and Head of the
Dept. of Statistics
University of Kerala
Trivandrum.

(a) Quality Control for
IV Semester for M. Sc.
Statistics.

80 hours

(b) Quality Control for
II Semester of P. G.
Diploma in Operations
Research & Computer
Applications

64 hours

3 hours per day
on 3 consecu-
tive days every
week and for a
total of 16
weeks.

2. Shri T. M. Sankaran
Associate Professor
(Fishery Statistics)
College of Fisheries
Panangad

Statistical Inference
for II Semester of
M. Sc. Statistics.

64 hours

2 Hours a day on
two consecutive
days every week
for 16 weeks.

Resolved further that the number of hours of lecture should not exceed the total teaching hours prescribed under the scheme of the course in the subject concerned and that the rate of remuneration be Rs. 40/- per hour of lecture and Rs. 20/- per hour of tutorial, subject to a maximum of Rs. 100/- per day.

Resolved also that the T. A. of guest lecturers be limited to 1 class rail fare.

(Ac.)

- Item No. 176.32. Government Orders on economy measures - G. O. (P) No. 763/82/Fin dated 14-12-1982 - adoption - Reg.

The Syndicate noted the action of the Vice-Chancellor in having adopted for implementation the measures of economy of expenditure ordered by the Government vide G. O. (P) No. 763/82/Fin dated 14-12-1982 as in Appendix II.

(Fin.)

- Item No. 176.33. Works - construction of a Building for the School of Engineering, Sciences tenders received - consideration of -

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the tenders received for the work of construction of a building for the School of Engineering Sciences.

Resolved that the Vice-Chancellor be authorised to take a decision on entrusting the work in consultation with the Convener, Standing Committee on Works.

(Pl.)

- Item No. 176.34. Minutes of the meeting of the Standing Committee on works dated 24-2-1983 - Consideration of -

The Syndicate noted that minutes of the meeting of the Standing Committee on Works and resolved to authorise the Vice-Chancellor to take a decision on entrusting the work of construction of the building for the School of Engineering Sciences in consultation with the Convener, Standing Committee on Works.

Item No. 176.35. Recommendations of the Boards of Appointment in respect of teaching posts advertised - consideration of-

The Syndicate considered the recommendations of the Boards of Appointment in respect of teaching posts under category A; Professors; Category B, Readers, and Category C, Lecturers.

A. Category A: Professors

Noted that no interviews were held for the posts of Professor: Applied Mathematics, and Professor: Ship Motion and Manoeuverability, and that the Boards had not made any recommendations in respect of the posts of Professor: Fishing Craft & Gear Technology, Professor: Physical Chemistry, and Professor: Pure Mathematics, in the absence of suitable candidates.

Resolved that the recommendations of the Boards of Appointment in respect of the posts listed below in the order of occurrence of the vacancies be approved:-

- i. Professor : Chemical Oceanography
- ii. Professor : Marine Biology
- iii. Professor : Hindi
- iv. Professor : Management Studies

B. Category B. Readers

Noted that no interviews were held for the posts of Reader: Fishery Economics, and Reader: Resistance and Propulsion of Ships, and that the Boards had not made any recommendations in respect of the posts of Reader: Jurisprudence, Reader: Mathematical Economics (2 posts), Reader: Meteorology, Reader: Plastic Technology, Reader: Fish Processing, and Reader: Management Studies (2 posts - one permanent vacancy and the other a short vacancy).

Resolved that the recommendations of the Boards of Appointment in respect of the posts listed below in the order of occurrence of the vacancies be approved:-

- i. Reader : Labour Law
- ii. Reader : Commercial Law
- iii. Reader : Strength of Ships and Practical Ship Building
- iv. Reader : Inorganic Chemistry
- v. Reader : Environmental Studies
- vi. Reader : Marine Geology
- vii. Reader : Criminal Law / Tax Law
- viii. Reader : Management Studies
- ix. Reader : Industrial Physics
- x. Reader : Statistics

C. Category C: Lecturers

Noted that no interviews were held for the posts of Lecturer: Applied Mechanics, Lecturer: Fluid Mechanics, and Lecturer: Statistics (short vacancy) and that the Board

had not made any recommendations in respect of two posts of Lecturer : Naval Architecture.

Resolved that the recommendations of the Boards of Appointment in respect of the posts listed below in the order of occurrence of the vacancies be approved :-

- i. Lecturer : Mathematical Economics
- ii. Lecturer : Electronics
- iii. Lecturer : Micro-biology with Biochemistry
- iv. Lecturer : Commercial Law / Maritime Law / Jurisprudence
- v. Lecturer : Management Studies
- vi. Lecturer : Pure Mathematics
- vii. Lecturer : Fish Processing Chemistry
- viii. Lecturer : Labour Law / Criminal Law / Administrative Law
- xi. Lecturer : Electronics
- x. Lecturer : Naval Architecture
- xi. Lecturer : Naval Architecture
- xii. Lecturer : Naval Architecture
- xiii. Lecturer : Mathematical Economics / Statistics
- xiv. Lecturer : Chemical Engineering

Resolved further that the recommendations of the Boards of Appointment in respect of the short vacancies of Lecturers in Management Studies, Civil Engineering and Mechanical Engineering be also approved.

Resolved also that the appointments to the various categories of posts as in *Appendix III* be approved.

Dr. P. N. Krishnan, Nambisan, was not present when the recommendation of the Board of Appointment in respect of the post of Professor : Chemical Oceanography was considered.

The meeting came to an end at 2.15 p. m.
University Buildings

Hill Palace
Tripunithura
14th April 1983.

Sd/-
REGISTRAR

Appendix I to Item No. 176.13.

Sl. No.	Name of the applicant and % marks obtained for M.A./M.Sc. etc.	Name of the guide and number of scholars already working under him	Topic of research	Remarks
1	2	3	4	5
1.	Shri J. Srinivasan (Part-time) B plus	Dr. V. D. Ramamurthy Dy. Director, MPEDA (one-part-time)	"Some studies on coastal oil pollution along east and west coasts of India".	Dr. V. D. Ramamurthy is a recognised guide. The Doctoral Committee has recommended a qualifying examination for the candidate. The candidate proposes to work in MPEDA, which has been recognised by the University.
2.	Shri J. Venugopalan Nair (Part-time) grade point average 3.6/4=90%	Dr. K. P. Balakrishnan (Full-time 5; part-time 2)	Hydrobiological properties of impounded water in multipurpose river valley projects.	The candidate intend to work in the School of Environmental Studies. The guide has been permitted by the Vice-Chancellor to guide more candidates than are normally permitted.

1	2	3	4	5
3.	Shri Gopal Prasad Mahobia	Dr. K. C. George Scientist, CMFRI	"Studies on Indian cichlids".	Dr. K. C. George is a recognised guide. The candidate proposes to work in the Centre for Advanced Studies in Mariculture, CMFRI which has been recognised, by the University. The Committee has recommended qualifying examination and review of the progress of work of the candidate.
4.	Shri M. S. Chandge (Full-time) 59%	Dr. R. Paul Raj Associate Professor CAS in Mariculture (Two Full-time)	Studies on Liquid nutrition in Larvae & juveniles of the Indian white prawn <i>penaeus Indicus</i> H. Milne Edwards".	The Candidate proposes to work in CAS in Mariculture. The guide has been recognised by the University. Doctoral Committee has recommended a qualifying examination and review of the progress of work of the candidate.

1	2	3	4	5
5. Shri A. K. Kesavan Nair (Part-time) 53.7%	Dr. K. Alagaraja Scientist, CMFRI, (Nil)	"Statistical methods in gear selectivity and gear efficiency Studies".	Candidate intends to work in the CMFRI, Cochin-29. The Doctoral Committee has recommended a qualifying examination for the candidate.	
6. Shri C. K. Rajan (Part-time) 60%	Dr. R. Ananthakrishnan and Dr. K. G. Nair (1) Two Full-time and One Part-time (2) Three Full-time & Four (Part-time)	Investigation on the characteristics of Tropical rainfall and their estimation from microwave attenuation Studies.	The doctoral committee has recommended a qualifying examination of two papers to the candidate, who proposes to work in the Department of Marine Sciences.	
7. Smt. P. Geetha (Full-time) 64%	Dr. K. P. Balakrishnan 5 Full-time & two Part-time)	"The impact of Environmental pollutants on plants".	The candidate proposes to work in the School of Environmental Studies. Doctoral Committee has recommended a qualifying examination of two papers.	

1	2	3	4	5
8. Shri K. G. Anilkumar (Full-time) 64.6%	1) Dr. R. Anantha Krishnan & Dr. K. P. Balakrishnan (1) One (2) Full-time Five, Part-time two)	"Transport of pollu- tants in the urban Ambient Air"	The candidate proposes to work in the School of En- vironmental Studies. Doct- oral committee has reco- mmended qualifying exa- mination of two papers.	
9. Smt. Soya P. A. (Full-time) 56%	Dr. S. Shajahan Full-time two Part-time one	Contribution of Mohan Rakesh to the Neo Story Movement of Hindi	The candidate is to work in the Department of Hindi Doctoral committee has recommended registration	
10. Shri K. G. Muralee- dharan (Part-time) 58.5%	Dr. A. Ramachandra Dev full-time 3 Part-time 4	"Individualism in post independence Hindi poetry with special reference to the poets of 1st, 2nd and 3rd Saptak	- do -	

1	2	3	4	5
11.	Shri P. V. Krishnan Nair (Part-time) 62%	Dr. P. V. Vijayan Full-time two Part-time six	New Hindi Poetry - An Aesthetic study "	- do -
12.	Smt. G. Ambika (Part-time) 82.7%	Dr. K. Babu Joseph Three full time & one part-time	Non Linear differential equation and their applications to Physics.	The candidate intends to work in the Department of Physics.
13.	Shri M. Santhosh (Full-time) 89%	Dr. N. G. K. Nair (Centre for Earth Science Studies) Nil	Petrochemistry; Related Mineralization and genesis of the Ambalavayal granites and pegmatites; District Wynad - Kerala.	The candidate has proposed to work in the Centre for Earth Studies Trivandrum. This centre has been recognised by the University. The guide is also recognised. Doctoral Committee has recommended the registration.

1	2	3	4	5
14.	Shri A. M. Ravindran (Full-time) 51.3%	Dr. V. Karunakaran Nil Dr. K. C. Sankaranarayanan	" Socio-Economic Impact of Gulf money "	The candidate intends to work in the Department of Applied Economics.
15.	Shri K. S. Balaprasenan (Full-time) 59.4%	Prof. V. Karunakaran - Nil Dr. Jose T. Payyappilly	" Economic Evaluation of the performance of the Term lending Institution (IDBI & ICICI, IFC)	- do -
16.	Shri A. Nandakumar (Full-time) 50%	- do -	Extent of migration causes and consequences in Cochin Region	- do -
17.	Smt. Korah Bina, Catherine (full-time) 70.7%	Dr. Paul A. Vatakencherry Full-time three Part-time two	Studies on the Synthesis of petrochemicals and multifunctional monomers	The candidate intends to work in the Department of Applied Chemistry

1	2	3	4	5
18.	Smt. E. M. Usha (Full-time) 66%	Dr. P. Madhavan Pillai Part-time two Full-time two	Synthesis and reactions of epoxides	The candidate intends to work in the Department of Applied Chemistry
19.	Smt. Lucy Joseph (Full-time) 68%	Dr. V. N. Sivasankara Pillai (Nil)	Studies on novel reagents and methods for the determination of Heavy metals	The candidate intends to work in the Department of Applied Chemistry
20.	Shri Benny Thomas (Full-time) 63.54%	Dr. S. Sugunan (Nil)	Salt effect on the activity coefficient of reactive non-electrolytes in aqueous solutions (as in the synopsis not given in the application)	- do -

1	2	3	4	5
21.	Shri Jolly Varghese (Full-time) 62.6%	Dr. Paul A. Vatakencherry Full-time three Part-time two	Studies on the synthesis of metamolites of Vitamin A and Related compounds.	- do -
22.	Smt. Sunanda Kumary (Full-time) 59.8%	Dr. N. Ramanujam (Nil)	Method of lines to singular perturbation problems	The candidate proposes to work in the Department of Mathematics and Statistics
23.	Shri E. K. Balakrishnan (Full-time) 74.2%	Dr. C. P. Girijavallabhan Full-time one Part-time one	Laser Applications	The candidate intends to work in the Department of Physics.
24.	Shri T. M. Abdul Razheed 72%	Dr. V. P. N. Nampoori Full-time one	Spectroscopic Studies of materials by thermal lens effect	- do -
25.	Shri R. Sivakumar (Full-time) 55%	Dr. C. Purushothaman Part-time two	Studies on structural and other properties of Polymer films by optical and electrical methods	- do -

1	2	3	4	5
26.	Shri M. K. Satheesh Kumar (Full-time) 74.6%	Dr. C. P. Girijavallabhan Full-time one Part-time one	Infrared Instrumentation	The candidate intends to work in the Department of Physics.
27.	Shri T. R. Raghunathan (Full-time) 60%	Dr. M. G. Krishna Pillai One	Studies in this films	- do -
28.	Shri T. M. Manuel Satu (Full-time) 62.4%	Dr. V. M. Nanda- (Nil) kumaran	Study of Elementary excitations in solids	- do -
29.	Shri M. Sajesh Babu (Full-time) 60.8%	- do -	Theoretical solid state Physics	- do -
30.	Shri K. R. Jayakumar (Full-time) 55.3%	Dr. C. Purushothaman Part-time two	Properties of double layer thin films.	- do -

1	2	3	4	5
31.	Shri K. Rajeev Kumar (Full-time) 60.35%	Dr. K. Sathianandan Full-time four Part-time one	" Electrical and optical properties of thin films suitable for solar devices	- do -
32.	Shri R. Navil Kumar (Full-time) 61.76%	Dr. C. P. Girija- vallabhan Full-time one Part-time one	Electrical properties and phase transitions	- do -
33.	Smt. S. Subha Kumary (Full-time) 63.4%	Dr. Elizabeth Mathai (Nil)	Growth and characterisation of certain chalcogenide crystals	- do -

APPENDIX II TO ITEM NO. 176.32

GOVERNMENT OF KERALA

Abstract

Economy - Economy in Government expenditure - Strict enforcement and additional measures - Orders issued.

FINANCE (S. S.) DEPARTMENT

G. O. (P) No. 763/82 Fin. Dated, Trivandrum, 14th Dec. 1982.

Read: G.O. (P) No. 708/80 Fin. dated 4-10-1980.

ORDER

Government had already issued orders, in G. O. read above, on the various economy measures to be operative till the end of the current Five Year Plan (i. e. till 31-3-1985). Government hereby reiterate that these orders will be enforced strictly.

In the context of the financial difficulties faced by the State, the following additional economy measures are also ordered:—

- i) The ban on creation of additional posts in Government will be extended to the Government owned Companies and Corporations also.
- ii) A total ban on journeys outside the State to attend seminars, conferences etc. will be imposed. The existing T. A. ceilings will be strictly enforced. In the case of

officers drawing a pay of less than Rs. 1500/- p. m., special mileage will not be allowed under any circumstances. All journeys outside the country, where international cost have to be met by the State Government in respect of Government Departments, Corporations, Boards etc. will be prohibited unless there are very special circumstances, like a paper being accepted for presentation for the first time from the country or participation in a conference abroad being likely to yield direct benefits to the State.

- ii) All questions involving grades, upgradation, removal of anomaly in the pay scales etc. will not normally be entertained.

The economy orders and other restrictions mentioned above will be applicable to Government owned Companies/Corporations/Boards/Universities and other autonomous bodies receiving grants from Government.

By Order of the Governor,
D. Babu Paul,
Finance Secretary.

To

The Registrar, University of Cochin (with C/L)

(True copy)

APPENDIX III TO ITEM NO. 176.35

CATEGORY A

1. Dr. P. N. Krishnan Nambisan Professor — Chemical Oceanography
2. Dr. N. Ravindranatha Menon Professor — Marine Biology
3. Dr. P. V. Vijayan Professor — Hindi

CATEGORY B

1. Shri N.S. Chandrasekharan Reader — Labour Law
2. Shri Joseph Vadakethala Reader — Commercial Law
3. Dr. Asok Kumar Chatterjee Reader — Strength of Ships & Practical Ship Building
4. Dr. K. K. Mohammed Yusuff Reader — Inorganic Chemistry
5. Dr. K. P. Balakrishnan Reader — Environmental Studies
6. Dr. K. T. Damodaran Reader — Marine Geology
7. Shri K. N. Chandrasekhara Pillai Reader — Criminal Law/ Tax Law
8. Dr. K. George Varghese Reader — Management Studies

9. Dr. K. G. Balakrishnan Reader — Industrial Physics
10. Dr. A. Krishnamoorthy Reader — Statistics.

CATEGORY C

1. Shri D. Rajasenan Lecturer — Mathematical Economics
2. Dr. P. S. Saseendran Pillai Lecturer — Electronics
3. Shri M. Chandrasekharan Lecturer — Microbiology with Bio-chemistry
4. Shri D. Rajeev Lecturer — Commercial Law/ Maritime Law/ Jurisprudence.
5. Shri A. G. Balasubramanian Lecturer — Management Studies
6. Shri S. Babu Sundar Lecturer — Pure Mathematics
7. Smt. Nirmala Thampuran Lecturer — Fish Processing Chemistry
8. Shri V. G. James Lecturer — Labour Law/ Criminal Law/ Administrative Law
9. Shri R. Poulouse Jacob Lecturer — Electronics
10. Shri K. P. Narayanan Lecturer — Naval Architecture
11. Shri P. Krishnankutty Lecturer — Naval Architecture

- | | | |
|-------------------------|----------|-------------------------------------|
| 12. Shri S. K. Pyarilal | Lecturer | — Naval Architecture |
| 13. Smt. Jessy John C. | Lecturer | — Mathematical Economics/Statistics |
| 14. Shri E. J. Thachil | Lecturer | — Chemical Engineering |

CATEGORY C - Short Vacancies

- | | | |
|-----------------------------|----------|--------------------------|
| 1. Dr. P. R. Wilson | Lecturer | — Management Studies |
| 2. Smt. T. Mary Joseph | Lecturer | — Management Studies |
| 3. Shri K. T. Ram Mohan | Lecturer | — Management Studies |
| 4. Dr. P. Sudarsanan Pillai | Lecturer | — Management Studies |
| 5. Smt. Neena Cherian | Lecturer | — Management Studies |
| 6. Smt. V. Jayakumari | Lecturer | — Civil Engineering |
| 7. Shri T. R. Premnath | Lecturer | — Mechanical Engineering |