

## UNIVERSITY OF COCHIN

**Minutes of the 165th meeting of the Syndicate held  
on April 30, 1982.**

**Place** : Hill Palace  
Tripunithura.

**Time** : 10.30 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. Smt. Liziee Jacob
7. Shri. S. C. S. Menon
8. Dr. K. Sathianandan
9. Dr. Paul A Vatakencherry
10. Prof. P. S. Velayudhan

**Item No. 165.05 Confirmation of the Minutes of the  
164th meeting of the Syndicate  
held on 3-4-1982.**

Resolved that the Minutes of the 164th meeting of the  
Syndicate held on 3-4-1982 be confirmed, subject to the  
following emendation.

Item No 164.05, 2nd paragraph, 3rd line : the word  
'(convener)' be deleted and the words 'and with the Regi-  
strar as Convener' be inserted after 'Aravindakshan Nair'.

**Item No. 165.02 Report of the Vice-Chancellor on important developments in the University since the last meeting of the Syndicate.**

1. Dr. K. Gopalan took over as Vice-Chancellor of the University in the forenoon of April 7, 1982.
2. Discussions have been initiated to explore the possibility of procuring for the University a major computer system, indispensable for a technological University.
3. The University should think in terms of attracting funds from major research and development organizations and from the various Departments of the Government of India (such as Space, Electronics, Science & Technology, Defence etc.) by formulating and submitting to them nationally relevant research projects, rather than depend exclusively on the State Government and the U. G. C. for funds. The Heads of Departments / Schools have been requested to do the needful in the matter.

Some of the NPOL's projects offered valuable opportunities for some of the Departments / Schools of the University for fruitful collaboration that should be availed of. The concerned faculty members have been requested to get in touch with the NPOL.

4. Arrangements are being made to streamline the functioning of the University Central Library by extending the working hours and by keeping it open on holidays (except a few specific holidays) so that it can serve the academic community better. The University Library must become a real centre of academic activity. Even as the departmental libraries continue to serve

the immediate teaching-cum-research requirements of the individual departments/schools, the bulk of the University's holding of books and journals should be in the University's Central Library. Steps are therefore being taken to achieve that objective, in consultation with heads of teaching departments. Prof. Paul A. Vatakencherry is being requested to oversee the day-to-day functioning of the University Library.

5. A few high powered committees, including the long-awaited U. G. C. Committee are expected to visit the University in the next few weeks and the University should get ready to receive them.
6. The University has taken the initiative to organize a major seminar and other programmes in connection with the World Environment Day falling on June 5. The programme are being arranged in collaboration with the Cochin Corporation, the G. C. D. A. the Port Trust and various other agencies.
7. Shri. P. Varijakshan Nair, Plumber, Engineering Unit has won national recognition as an athlete bringing credit to the University. In recognition of this attainment and as an inducement to greater efforts Shri. Varijakshan Nair may be given one or two advance increments. The practices followed by other organizations and Universities in the state in this respect will be ascertained before the proposal is implemented.
8. New members will be inducted into the present Expert Committee, and its work will be expedited.
9. Steps have already been initiated for streamlining the academic activities and administrative procedures of the University, with a view to make its functioning more efficient and effective.

**Item No. 165.03 Seminar on "Physics research and Physics teaching in Kerala"-Department of Physics-assistance for-reg.**

The Syndicate considered, along with the recommendations of the Standing Committees on Academic Matters, and Finance & Purchase, the proposal for organizing a seminar on 'Physics research and physics teaching in Kerala', in May 1982, in the Department of Physics.

Resolved that a sum of Rs. 3,400/- be granted for organizing the seminar. It was further resolved that in view of the scarce resources of the University the Departments/Schools of the University should not *on their own* organise seminars of this sort utilising the funds of the University. Efforts should always be to organise such seminars through external funding. As a matter of policy however, the University should join hands with the R & D S & T establishments and co-sponsor such major events by giving wherever necessary, marginal financial inputs.

(Ac.)

**Item No. 165.04 School of Technology - Purchase of equipment - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for purchasing various items of equipment for the School of Technology at a cost of Rs. 19,722.00 excluding sales tax and other charges.

Resolved that the items of equipment as in *Appendix I* be purchased for the School of Technology at a cost of Rs. 19,722.00 excluding Sales tax etc, and that the Reader-in-charge of the School be authorised to draw the amount as advance for effecting the purchase.

(Pl.)

**Item No. 165.05. Installation of 10 50 PMBX at the Trikkakara Campus - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for installing a 10+50 PMBX system at the Trikkakara campus of the University.

Resolved that the University might, for the time being, only register with the Indian Telephones for a 10+10+100 PABX system.

(G. Admn. & El.)

**Item No. 165.06. Works - Construction of Compound wall -**

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the action of the Vice-Chancellor in having approved a correction in the name and address of the contractor who was entrusted with the work of construction of the compound wall on the southern and eastern sides of the present Women's Hostel - V. K. Ramakrishnan, M/s. V. K. Ramakrishnan & Com., Port Hill, Cochin-22, instead of M/s. V. K. Ramakrishnan & Co., Port Hill, Cochin-22.

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

(Pl.)

**Item No. 165.07. University Hostels - enhancement of ad hoc grant - Reg-**

Deferred for consideration at the next meeting of the Syndicate along with the details regarding rates of rent fixed by the Kerala and Calicut Universities in respect of

their student's hostels and the rate of adhoc grant (mess subsidy), if any, granted by them to the hostels.

(GA & EI.)

**Item No. 165.08. Electrical goods for the Engineering Stores - purchase of - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for procuring electrical items for the stores of the Engineering Unit at an estimated cost of Rs. 14,806.65.

Resolved that the electrical items as in *Appendix II* be purchased for the Engineering Unit stores at DGS & D rates and that competitive quotations be invited for items not available at such rates.

Resolved further that a sum of Rs. 14,806.65 be advanced to the University Engineer for effecting the purchase.

(PI.)

**Item No. 165.09. Re-registration for research - registration granted by the Vice-Chancellor - ratification of.**

The Syndicate noted, along with the recommendation of the Standing Committee on Academic Matters, that the Vice-Chancellor had granted re-registration to 9 candidates who had exceeded the maximum period of registration prescribed in the Regulations.

Resolved that the action of the Vice-Chancellor in having granted re-registration to the candidates as in *Appendix III* be ratified.

(Ac.)

**Item No. 165.10. Teakwood veneer partitioning of Room No. 4 of the Dept. of Applied Chemistry - Consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the proposal for partitioning room No. 4 of the Department of Applied Chemistry, with a view to air-conditioning it, at an estimated cost of Rs. 10,500/-, and to award the work to Shri. P. Vijayakumar, who had undertaken a similar work for the Department, at 76% above the estimate rate.

Resolved that the work of partitioning the room at an estimated cost of Rs. 10,500/- be approved and that the work be awarded to Shri. P. Vijayakumar at 96% above the estimate rate, the rate at which the contractor had executed an identical work in the same Department.

(PI.)

**Item No. 165.11. Works - Electrification of Lab. No. 1 of the Dept. of Ship Technology - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Works, the proposal for electrification of Laboratory No. 1 of the Department of Ship Technology, at an estimated cost of Rs. 1,05,500/-.

Resolved that the work of electrification of the Laboratory at an estimated cost of Rs. 1,05,500/- be sanctioned.

Resolved further that the work be entrusted with the KSCC if the firm is willing to execute the work on the usual terms, the University supplying the materials for the work; if not, the work be tendered.

(PI.)

**Item No. 165.12. Medical expenses - reimbursement of.**

The Syndicate considered reimbursing to the employees medical expenses incurred by them for treatment undertaken in hospitals recognised for the purpose.

Resolved that the following employees be granted medical reimbursement of amounts indicated against their names:-

Name & Designation	Hospital	Amount
1) Shri P. R. Rajagopalan Sr. Gr. Assistant University Office.	Mukundapuram Taluk Headquarters Hospital Irinjalakuda.	1. Rs. 187/37 2. Rs. 106/76
2) Shri V. R. Kutty Peon Department of Industrial Fisheries.	Medical Trust Hospital Ernakulam.	Rs. 147/43
3) Smt. Christina Francis Asst. Grade II Department of Youth Welfare.	City Hospital Ernakulam.	Rs. 391/99

Resolved further that the power to sanction medical reimbursement to employees upto a sum of Rs. 500/- be delegated to the Vice-Chancellor.

**Item No. 165.13 School of Technology-quasi-University fee-collection of-reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the proposal for collecting quasi-university fee from the students admitted to the part-time technology course under the School of Technology.

Resolved that Rs. 8/- per semester be fixed as quasi-University fee to be collected from students admitted to the part-time technology courses in the School of Technology.

(Ac.)

**Item No. 165.14 Registration of 'Anuseelan' as a research journal - Reg.**

Deferred for consideration at the next meeting along with further details.

(Ad. C.)

**Item No. 165.15 Change of centre of research-request of Shri. B. Raveendran Nair-Consideration of-**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the request of Shri. B. Raveendran Nair for transfer of his centre of research from the Department of Applied Chemistry to the Department of Polymer Science and Rubber Technology w. e. f. 1.3.1982.

Resolved that Shri. B. Raveendran Nair be permitted to change his centre of research from the Department of Applied Chemistry to the Department of Polymer Science & Rubber Technology w. e. f. 1.3.1982.

(Ac.)

**Item No. 165.16 Recovery of current charges and water charges from occupants of University quarters-procedure - reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for adopting the slab-cum-card system followed by the K. S. E. B. and the P. H. E. D. in realising current and water charges respectively from the residents of University quarters.

Resolved that the Slab System as followed by the K. S. E. B. and the P. H. E. D. in the matter of collection of electricity and water charges respectively be implemented in the University.

Resolved further that the water charges for quarters where water metres are not provided be fixed on a par with similar type of quarters where meters are provided.

The Syndicate noted with serious concern the default in the collection of arrears of current and water charges from employees residing in University Quarters and resolved that steps be taken for their immediate realization.

(Ad. C.)

**Item No. 165.17 Works-Purchase of steel from the Steel Authority of India Ltd., advance sanctioned by V. C. - reporting of -**

The Syndicate noted that the Vice-Chancellor had sanctioned the purchase of 16 tonnes of steel rods for construction purposes at a cost of Rs. 87,000/- as per U. O. No. PL. A4/17886/80 dated 20.2.1982.

Resolved that the action of the Vice-Chancellor be ratified.  
(Pl.)

**Item No. 165.18 Recognition as supervising guides-applications consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the requests from three persons for recognition as supervising guides under the University.

Resolved that Dr. K. C. George, Scientist, CMFRI, Cochin and Dr. A. Antony, Lecturer, Department of Marine Sciences, be recognized as supervising guides under the University.

Resolved further that Dr. V. N. Sankaranarayanan be requested to forward his application through the Head of his institution along with his recommendation for consideration.

(Ac.)

**Item No. 165.19 Board of Studies in Applied Economics-Reconstitution of -**

Deferred.

**Item No. 165.20 Works - Construction of compound wall around the Trikkakara campus-stage I correction of name and address of the selected contractor - reg.**

The Syndicate noted, along with the recommendation of the Standing Committee on Works, that the Vice-Chancellor had authorised the correction in the name and address of the contractor who was entrusted with the constructio

of compound wall stage I at Trikkakara campus, M/s. V. K. Ramakrishnan & Co., Port Hill, Cochin-22, as V. K. Ramakrishnan, M/s. V. K. Ramakrishnan and Company, Port Hill, Cochin-22.

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

(Pl.)

**Item No. 165.21 School of Technology-purchase of Balance - Reg.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the proposal for the purchase of various items of equipment for the School of Technology at a total cost of Rs. 12,732/35 Plus s. t.

Resolved that the following items of equipment be purchased for the School of Technology at a total cost of Rs. 10,765 plus s. t., and other charges.

Item	Precesion Scientific Co.
1. Self indicating with a capacity of 500 gms. 1 No.	Capacity 1 kg. graduation 5 gm. Rs. 2500/-
2. Semi Automatic Balance Capacity 5 kg.	Giri Make (with Weight) Rs. 4985/-
3. Semi-Self indicating counter scale type 1 No. balance 10 kg. capacity	5 gram Graduation Rs. 3280/- each

Resolved further that the proposal for the purchase of Keroy Single pan Balance be reconsidered in the light of the performance of balances of the same make available in some of the other departments of the University.

(Pl.)

**Item No. 165.22. OYOH Scheme for University Employees - implementation of the scheme - further consideration of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Finance & Purchase, the detailed proposal for the implementation of the Own Your Own House Scheme and the draft rules for the allotment of land among eligible employees.

Resolved that all aspects of the proposal be closely scrutinised by a two-man committee consisting Dr. P. N. Krishnan Nambisan and the Registrar, in consultation with the Legal Advisor, and that the matter be taken up for consideration at a subsequent meeting of the Syndicate.

(Pl.)

**Item No. 165.13. Faculty of Social Sciences - re - constitution of.**

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the question of re-constituting the Faculty of Social Sciences.

Resolved that the Faculty of Social Sciences be reconstituted with the following members for a period of 4 years,

1. Prof. N. Ranganathan (Dean)
2. Dr. N. Parameswaran Nair
3. Shri. V. Vaghul
4. Dr. N. P. Pillai
5. Dr. M. O. Mathew
6. Dr. M. N. V. Nayar
7. Shri S. K. Datta

8. N. C. Banerjee, Managing Director, State Bank of Travancore
9. Dr. I. S. Gulati
10. Dr. C. T. Kurien
11. Shri S. Peer Mohammed
12. Prof. R. Purnachandra Rao
13. Prof. R. Bandopadhyaya
14. Shri V. Varghese
15. Prof. K. Kumaraswamy Pillai
16. Dr. M. Haridas.

(Ac.)

Item No. 165.24. Ph. D. thesis entitled "Investigation on the Electrical Characteristics of certain - semi-conductor Films and Polymerized Para-Toluidine Films" submitted by Smt. Nirmala Paul in the Faculty of Science - 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 thesis: "Investigation on the electrical characteristics of certain semi-conductor films and polymerised para - Toluidine films," submitted by Smt. Nirmala Paul under the supervision of Dr. M. G. Krishna Pillai, Professor, Department of Physics,

Resolved that Smt. Nirmala Paul be awarded the degree of Doctor of Philosophy under the Faculty of Science for her thesis: "Investigation on the electrical characteristics of certain semi-conductor films and polymerized para-toluidine films".

(Exam.)

Item No. 165.25. Ph. D. thesis entitled "Motivation and expectation realization of employees in selected industries in the industrial belt of Alwaye" submitted by Shri P. N. Krishnan Namboodiri in the Faculty of Social Sciences - Reports of 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 thesis: Motivation and Expectation Realization of Employees in Selected Industries in the Industrial Belt of Alwaye" submitted by Shri P. N. Krishnan Namboodiri, under the supervision of Dr. P. N. Narayanan Nair.

Resolved that Shri P. N. Krishnan Namboodiri be awarded the degree of Doctor of Philosophy under the Faculty of Social Sciences for his thesis: "Motivation and Expectation Realisation of Employees in Selected Industries in the Industrial Belt of Alwaye".

(Exam.)

Item No. 165.26. Ph. D. thesis submitted by Shri K. Vasudevan - adjudication. reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the question of appointing external examiners for evaluation of the Ph. D. thesis "Investigations on the radiation characteristics of flanged sectoral horn antennas and corne reflector system," submitted by Shri K. Vasudevan under



the supervision of Dr. K. Gopalakrishnan Nair, Professor, Department of Electronics and Communication systems.

Resolved that external examiners be appointed for adjudicating the thesis submitted by Shri K. Vasudevan,

(Exam.)

Item No. 165.27. Ph. D. thesis submitted by Shri C. M. Paul - adjudication - reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, the question of appointing external examiners for evaluation of the Ph. D. thesis: "Molecular internal mechanics: Studies on molecular structure and properties using microwave and infrared spectral data," submitted by Shri C. M. Paul under the supervision of Dr. C. P. Girijavallabhan, Reader, Department of Physics.

Resolved that external examiners be appointed for adjudicating the thesis submitted by Shri C. M. Paul.

(Exam.)

Item No. 165.28. Panels of paper-setters / examiners prepared by Board of Studies - approval of.

The Syndicate approved the panels of papersetters and examiners recommended by the following Boards of Studies:-

1. Board of Studies in Polymer Science & Rubber Technology.
2. " " Electronics
3. " " Naval Architecture
4. " " Business Management

- |    |   |   |                          |
|----|---|---|--------------------------|
| 5. | " | " | Technology               |
| 6. | " | " | Mathematics & Statistics |
| 7. | " | " | Marine Biology           |
|    |   |   | (Exam.)                  |

Item No. 165.29. Seminar on 'Marine Engineering' - proposal for co-sponsoring and participation by the Department of Ship Technology - Reg.

The Syndicate considered, along with the recommendation of the Standing Committee on Academic Matters, and Finance & Purchase, the proposal for co-sponsoring the seminar on 'Marine Engineering' being organized at Cochin during the first week of June by the State Committee of Science and Technology, the Cochin Shipyard and the Institution of Engineers by contriouting a sum of Rs. 5000/-,

Resolved that the University co-sponsor the seminar on 'Marine Engineering' and contribute a sum of Rs. 5000/-

(Ac.)

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

University Buildings  
Tripunithura.

Sd/-  
REGISTRAR

**APPENDIX I TO ITEM No. 165.04**

Sl. No.	Name of Equipment	Firm selected	Qty	Cost ex. S. T. and other charges
1.	Electric Hot Air Oven Temperature Range 50-200°C	M/s. Concord Instruments Pvt. Ltd. Cochin.	1	1640.00
2.	Shrinkage Limit set with 500 gms. mercury	"	1	655.00
3.	Pocket Penetrometer	"	1	160.00
4.	Constant Volume mould	"	1	435.00
5.	Jodpur Parameter	"	1	4280.00
6.	Siever 20 cm diameter in brass body full set with pan and cover	M/s. AIMIL		1270.00
7.	Liquid limit Device	"	One set	1010.00
8.	High speed stirrer with cup and baffle	"	one	1610.00
9.	Extension rods 1 meter length for SSP-2.5 nos.	"	5	600.00
10.	Unconfined compression test providing ring type		1	5290.00
11.	Standard Soil Hydrometer with Jars long stem calibrated.	M/s. I. S. C.	2	390.00
12.	Proctors Mould	"	1	455.00
13.	Proctors Needle Hydraulic Tyre	"	1	830.00
14.	Core-cutter with dolly and dammer	"	1	248.00
15.	Sampling tubes 300 mm x 38 mm diameter	"	12	672.00
16.	Pyenometer with plastic core locking ring and synthetic rubber seal	"	3	177.00
			Rs.	<u>19,722.00</u>

(Rupees Nineteen thousand seven hundred and twenty two only ex. S. T. and other charges)

**APPENDIX II TO ITEM No. 165.08**

Quantity	Description	Rate Rs.	Unit	Amount
50	40 watts Fluroscent tube	26.00	E	1300.00
50	40 Watts Starter	3.25	E	162.50
30	40 Watts choke	32.00	E	960.00
20	Bulb 500 watts	35.00	E	700.00
20	Bulb 60 watts	3.40	E	68.00
40	Bulb 25 watts	2.95	E	118.00
4 nos	Mercury Vapour lamp Bulb 400 Watts	287.50	E	1150 00
4 nos	-do- 250 Watts	188.50	E	754 00
4 nos	-do- 125 Watts	97.60	E	390.40
2 nos	160 Watts M. L. L. Bulb	86.60	E	173 20
2 nos	400 Watts choke	266.50	E	533.00
2 nos	250 Watts choke	203.75	E	407.50
2 nos	125 Watts choke	97.60	E	195.20
20 nos	110 volt starter	4.15	E	83.00
20 nos	20 Watts 2 tt tube	24.50	E	490.00
20 nos	5 Amps S. P. T. switch	4.35	E	87.00
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5 nos	5 Amps 3 pin plug	3.60	E	18.00
10 nos	15 Amps 3 pin plug with switch	16.70	E	167.00
5 nos	15 amps Porcelain fuse units	4.00	E	20.00
10 nos	200 amps fuse unit	244.20	E	2442.00
6 nos	63 amps fuse unit	41.80	E	250.80
100 M	7/20 P. V. C. copper wire	487.20	100 M	487.20
100 M	7/16 P. V. C. copper wire	1269.85	100 M	1269.85
100 M	3/20 P. V. C. copper wire	224.70	100 M	224.70
100 M	1/18 Weather proof copper wire	124.50	100 M	124.50
1 no	300 amps fuse switch with HRC fuse	1716.00	E	1716.00
20 role	PVC adhesive tapes (25M)	7.20	rple	144.00
6 nos	100 amps fuse unit	61.80	E	370 80
				<u>14806.65</u>

**APPENDIX III TO ITEM NO. 165.09**

**Statement showing details of re-registration granted by the Vice-Chancellor**

Sl. No.	Name of the Candidate	Name of Guide	Topic of Research	Dept. through which registration is granted	Remarks
1	2	3	4	5	6
1	Hridayanathan C. (Part-time)	Dr. C. V. Kurien (Emeritus Scientist Pelagiex Fishery Project)	" Studies on the Macro- benthos of Mudbanks of Southwest coast of India "	Dept. of Marine Sciences	—
2	Unnikrishnan Nair N. (Part-time)	Dr. N. Balakrishnan Nair (Prof. of Agnatic Bio- logy, Kerala University)	" Studies on the biology of the Oysters of the Southwest coast of India "	CIFT, Cochin	—
3	Padmini R.	Dr. A. V. S. Murthy	" Studies on energy exchange between sea and atmosphere from the Indian ocean with special reference to the Ara- bian sea and Bay of Bengal "	CMFRI, Cochin	
4	Gopalakrishnan T.C. (Part-time)	Dr. C.V. Kurien	" Studies on the planktonic copepods calanoida scole- ithricidae of Indian Ocean"	NIO, Cochin-18	
5	Peter K. J. (Part-time)	- do -	" Studies on some fish larvae of the Arabian sea and Bay of Bengal "	- do -	
6	Sathi Devi E. N. (Part-time)	Dr. M. Eswari	" Comparative study of the Historical Novels in Hindi and Malayalam upto 1960 "	Dept. of Hindi	—
7	Krishna Kumari B. (Part-time)	- do -	" Critical works of Acharya Nandadulare Bajpai "	- do -	—
8	Narayanan Nambisan (Part-time)	- do -	" Development of grammar in Hindi and Malayalam based on classical texts	- do -	—
9	Dileep M. P, (Part-time)	Dr. C. V. Kurien	" Studies on eggs and Larvae of a few demersal fishes of the Southwest coast of India	Dept. of Marine Sciences	—