

PROFORMA : RESUME

1. Name of the Nominee : Dr. Letha. J
2. Date of Birth : 29-05-1959
3. Present Position Held : Vice Chancellor,
Cochin University of Science
and Technology (CUSAT),
Kochi, Kerala, India - 682022
&
Vice Chancellor,
Abdul Kalam Kerala Technological University
(full addl. Charge) From 1-01-2018
4. Educational Qualification : B.Tech, M.Tech (IIT Madras), Ph.D (IIT Madras)



Exam. Passed	University	Main Subject	Year of Passing	Class
B.Sc.(Engg.)	College of Engineering, Trivandrum. University of Kerala	Civil Engg.	1981	First Class with Distinction
M.Tech	I.I.T Madras	Civil Engg. (Hydraulics. Engg)	1983	First Class with Distinction (First Rank, Gold medal)
Ph.D.	I.I.T, Madras	Civil Engg. (Hydraulics. Engg)	1996	<i>Title of Thesis – Unsaturated Subsurface flow in Irrigation & Drainage</i>

5. Correspondence Address : 29/277, MRA-75, Midhila, Thengapura lane, Kaithamukku,
Thiruvananthapuram-695024

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7. Administrative Experience/Posts & Responsibilities Held (10 yrs 5 months)

Sl.No	Post	Organization /University	Duration		Experience in (years and months)
1.(a)	Head of the Department	College of Engineering, Thiruvananthapuram, Govt of Kerala/Kerala University	28-06-2007	23-08-2007	1.5 months

(b)	Dean P.G Studies Principal (full addtl. Charge)	College of Engineering, Thiruvananthapuram, Govt of Kerala/Kerala University	23-08-2007 27-12-2007	16-04-2008 16-04-2008	7.5 months
(c)	Principal	College of Engineering, Thiruvananthapuram, Govt of Kerala/Kerala University	17-04-2008	31-03-2011	2yrs and 11.5 months
(d)	Director Technical Education	Govt. Of Kerala, Thiruvananthapuram,(Engineering Colleges/Polytechnics	1-04-2011	18-10-2014	3yrs and 6.5 months
(e)	Vice Chancellor	Cochin University of Science & technology, Govt. of Kerala	19-10-2014	Continuing	3 yrs and 2 months as on date
2.	Member Board of Studies	Civil Engineering, Kerala university	1998	1999	1 year
3.	Dean of Faculty of Engg. & Technology	Kerala University	12-05-2008	31-05-2011	2yrs and 11.5 months
4.	Member of Academic Council	Kerala University	17-04-2008	31-03-2011	2yrs and 11.5 months
5.	Member of Executive Council	Institution for Human Resources & Development, (IHRD), Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
6.	Member of Professional /Academic Bodies	a)Member, Indian Society for Hydraulics (ISH),Roorkee b) Life member, Indian Society for Technical Education(ISTE),New Delhi c) Member, Institution of Engineers (M.I.E) (India),Kolkatta	1996 1996 1998	Till date Till date Till date	21 yrs 21yrs 19 yrs
7. Others					
a)	Governing body member	Indian Institute of Technology (IIT),Madras, Govt Of India	1-04-2011	18-10-2014	3yrs and 6.5 months
b)	Governing body member	National institute for Technical Teachers Training & Research (NITTR),Chennai, Govt Of India	1-04-2011	18-10-2014	3yrs and 6.5 months

c)	Governing body member	Indian Institute of Information Technology & Management in Kerala ,(IITMK),Govt Of Kerala	1-04-2011	Till date	6yrs and 6 months
d)	Governing body member	Kerala Book Publishing Society , Kochi, Govt of Kerala	1-04-2011	Till date	6 yrs & 6months
e)	Governing body member	Institution for Human Resources & Development , (IHRD)Kerala ,Govt of Kerala	20-10-2014	Till date	3 yrs & 2 months
f)	Governing body member	Syndicate Member, Cochin University of Science & Technology , Kochi, Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
g)	Governing body member	Lal Bahadur Shastri (LBS)centre for Science & Technology , Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
h)	Governing body member	Higher Education Council , Govt of Kerala	1-11-2017	Till date	2months
i)	Chairman	Research Advisory committee for Women Scientists , Kerala State, Council for Science Technology & Environment, Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
J)	Governing Body member	Pollution Control board , Kerala, Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
k)	Governing Body member	13 Engg. Colleges of the State coming under TEQIP- Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
l)	Governing Body member	TKM College of Engineering, Govt. aided college, Govt of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
m)	Governing Body member	Centre for Continuing Education (CCE), Govt.of Kerala	1-04-2011	18-10-2014	3yrs and 6.5 months
n)	Member of Executive Council	Senate member ,Kerala University	17-04-2008	31-03-2011	2yrs and 11.6 months

8. Academic / Teaching Experience & responsibilities (chronological order from latest to old)

Principal/Dean/Professor/Associate/Assistant Professor (Total) : 25 yrs 6.5 months

Professor Cadre : 10yrs 7months

Sl.No	Post	Organization/University	Duration		Expeirience in (years and months)
1	Principal	College of Engineering , Thiruvananthapuram, Govt. of Kerala /Kerala University	17-04-2008	31-03-2011	2yrs and 11.5 months (Research,Teaching & Administration)
2.	Dean P.G Studies	College of Engineering , Thiruvananthapuram, Govt. of Kerala /Kerala University	23-08-2007	16-04-2008	7.5 months Research, Teaching & Administration)
3.	Head of the Civil Department	College of Engineering , Thiruvananthapuram, Govt. of Kerala /Kerala University	28-06-2007	23-08-2007	1.5 months Research,Teaching & Administration)
4.	1. Professor in Civil Engg. 2. Professor for Part Time Degree courses	College of Engineering Thiruvananthapuram, Govt. of Kerala /Kerala University	31-10-2001 1-7-2000	28-06-2007 30-10-2001	5yrs and 8 months (Teaching & Research) 1year 3months (Administration)
5	Assistant professor (Presently designated as Associate Professor)	Rajeev Gandhi Institute of Technology, Govt. of Kerala /M.G. University College of Engineering Thiruvananthapuram, Govt. of Kerala /Kerala University	22-7-1996 5-12-1996	04-12-1996 30-06-2000	3 years and 11 months(Teaching & Research)

6	Lecturer in Civil Engg. (presently designated as Assistant Professor)	Regional Engineering College (presently) National Institute of Technology, Calicut	15-07-1983	17-10-1984	13 years (Teaching & Research)
		College of Engineering Thiruvananthapuram, Govt. of Kerala /Kerala University	18-10-1984		

9. Participation and contribution in relevant areas in higher education

Post	Organisation	Area of Specialisation
Resource person	<ol style="list-style-type: none"> 1. Kerala State Council for Science technology & Environment 2. Investigation Design Research board , Irrigation Department, Govt Of Kerala 3. Centre for Water Resources Development & management (CWRDM) 4. Water Resources Department, Govt Of Kerala, Irrigation Project Implementation for Meenachal basin. 5. National Centre for Earth Science Studies, Akkulam. Thiruvananthapuram Govt Of India 6. Pollution Control Board, Govt Of Kerala 7. Lal Bahadur Shastri (LBS)centre for Science & Technology, Govt of Kerala 8. Institution for Human Resources & Development, (IHRD)Kerala ,Govt of Kerala 9. Kerala Book Publishing Society, Kochi, Govt. of Kerala 10. Karunya Institute of Technology, Coimbatore 11. Conferences/Seminars organised 8 nos. 	Civil Engineering (Hydraulics & Water resources) (17-04-2008 to 18-10-2014)
Others (Specify)	<ol style="list-style-type: none"> 1. Instrumental in Establishment of TREST (Trivandrum Science and Technology Park in College of Engineering Campus, Thiruvananthapuram. 2. Leadership taken for NBA accreditation for PG & UG in 	As Principal, College of Engineering, Thiruvananthapuram, Kerala (17-04-2008 to 31-03-2011)

	<p>Engineering at College of Engineering, Thiruvananthapuram, Kerala</p> <p>3. Responsible for implementing E-Governance in the Directorate of Technical education and other institutions under the directorate.</p> <p>4.Full responsibility in drafting the Kerala Technological University ACT (KTU ACT) for which Govt. ordinance was issued in May 2014.</p> <p>5. Up-gradation of all Polytechnics with Central Assistance in Kerala</p> <p>6. Taking lead role as Project facilitator for TEQIP Phase II in eight Government Engineering Colleges and eleven Government Controlled Engineering colleges in Kerala</p> <p>7. Community development Scheme implemented through polytechnics in Kerala</p> <p>8. Responsible for signing MoU with Mercedes Benz, for starting an Adv. Diploma Course in Automated Mechatronics in Govt. Engg. College, Barton hill, Thiruvananthapuram, Kerala</p> <p>9. Responsible for signing MoU with BOSCH Rexforth Ltd. for starting Centres of Excellence and centres of competency in Automated Mechatronics in College of Engg., Thiruvananthapuram Engg. Colleges and Govt. Polytechnic Kalamassery, Kerala.</p> <p>10. Leadership taken for starting an M.Tech Course in Translational Engg. in collaboration with University of Columbia and University of Montreal (2014) n Barton hill, Govt Engineering College, Thiruvananthapuram</p> <p>11. “Sastrayaan” CUSAT model for Opening up the Research findings to the Public , Seminars for People representatives and also opening up the Lab and other facilities for Schools and College Children Included under RUSA as a model for other Universities</p> <p>12. Established Knowledge forum for Researchers (Teachers & Students) meet and to exchange ideas every month, where in Presentation of Research topic and deliberations take place</p> <p>13. Established Seed money to be given to newly recruited teachers for initiating research proposals</p> <p>14. Pre-designed innovative format established for the Students to evaluate the course and the faculty</p>	<p>-do-</p> <p>As Director, Technical Education, Govt of Kerala (1-04-2011 to 18-10-2014)</p> <p>-do-</p> <p>-do-</p> <p>-do-</p> <p>-do-</p> <p>-do-</p> <p>-do-</p> <p>Vice Chancellor, Cochin University of Science & Technology (19-10-2014 till date)</p>
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15. **DDU KAUSHAL KENDRA (DDUKK)** established in CUSAT (2016) that offers M.Voc. programmes in two specialisations i.e in Mobile Application development Technology and Management Consultancy
16. Initiatives taken to include **CUSAT Radar centre** under the '**Make In India**' Programme, included on 22nd June 2016 by Govt of India.
17. Initiative taken to launch a **Specially designed Research vessel** equipped with facilities to conduct fishery and hydrographic surveys for Marine Sciences department, CUSAT in 2016.
18. Initiative taken to establish **Optimization, Capacity building and Training for the teaching & non teaching staff**
19. Initiative taken to implement **INFLIBNET for CUSAT library** and was **selected for the Award** for implementing the **online document delivery system** in the most outstanding and effective manner by **UGC**.
20. Initiative taken to prepare the project report **for establishing Centre of Excellence in Research** by setting up world-class laboratories. Sanction accorded from the Govt. of Kerala for Rs. 243 Crores
21. Initiative taken to timely complete PURSE Phase-I and thereby sanction accorded for **PURSE Phase -2** by Govt of India.
22. Established a **Centre for Innovation , Technology Transfer & Industrial Consultancy (CITTIC)**, for Entrepreneurship Development 13 Technology Business incubator commenced.
23. Initiative taken to get **Research Support from NCAAH, under Obama – Singh Initiative** US\$ 1,90,000 awarded in 2015 for innovative reforms in Marine Biotechnology
24. **Initiative taken to sign MOU (2016) with 5 international universities** (Troy University Alabama USA (Computer Science), University of Gothenburg Sweden (Student exchange programme for M.Tech Project), Shimane University Japan (Student and faculty exchange for Science students), Multimedia University Malaysia (Student exchange Photonics dept), Plastics Research Institute Srilanka (Student Exchange polymer Science)

	<p>25. Initiative taken to get CUSAT included in the National Institutional Ranking Frame Work (NIRF) i.e 30th (2016) and also ranked 20th out of 31 institutions in India in world best list.</p> <p>26. Leadership taken to improve the NAAC Accreditation (2nd cycle) to grade A grade for (2016-2021) period.</p>	
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11. Scholarly achievements

A. Contribution to Journals and Books

	Details
Peer reviewer	Journal of Institution of Engineers, Civil Engineering

12. Publications: **62 nos.**

International Journals : 22 nos

National Journals : 5 nos

International conferences : 17 nos.

National conferences : 18nos

13. a) Participation and scholarly presentation in conference : **16 nos.**

b) Faculty development programmes attended : **7 nos.**

14. Research projects

Sl. No.	Type of work	Project/Thesis title	Institution / Funding agency	Year	Amount sanctioned	Status
1	Sponsored Project (TAPTEC)	GIS approach for Quantification of reservoir sedimentation- A case study	AICTE, Govt Of India	2000	8.00 lakhs	completed
2	Sponsored Project R&D	Watershed information system for Kerala	KSCSTE, Govt of kerala	2002	13.1 lakhs	completed
3	Sponsored R&D project	Optimal design of water distribution network using genetic algorithm	KSCSTE, Govt of Kerala	2010	8.39 lakhs	Completed

4	Sponsored project National Institute of Hydrology, (NIH) Roorkee	Water Quality Modeling of a lake system : A Case Study	Indian National Committee on Hydrology, Roorkee(INCH)	2014	22 lakhs	Completed
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15. Honours/Awards/ & Fellowships for Outstanding works

Sl.No.	Particulars	Organisation	Year
1.	Gold medal for M. Tech	IIT, Madras	1983
2.	Surendranath Mukherjee Award for best paper	Institution of Engineers	2005
3	ISTE- Research award for Best Teacher	ISTE-CET Chapter	2007
4	V.K.M John National award for Best Engg, College teacher	ISTE	2010
5	IIIE Excellence Award for CUSAT	IIIE	2016
6	Chancellors Award for the Best performing University in Kerala	Governor's office, Govt Of Kerala	2017
7	NITCAA Life Time achievement Award (Gold medal with Citation)	National Institute of Technology Calicut Alumuni Association (NITCAA)	2018

16. No. of Research Scholars (M.Tech /Ph.D) successfully guide : **M.Tech: 12nos, Phd: 5 nos**

Dr.J.Letha