

BIO-DATA

Name : **DR. Z.A. ZOYA**

Age & Date of Birth : 59, 30/11/1956

Current position : Principal, College of Engg. Perumon, Kollam 691601

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for correspondence

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Total Experience in Teaching/ Administration : 32 years

PROFESSIONAL/ACADEMIC/ADMINISTRATIVE EXPERIENCE

- Principal College of Engineering Perumon.
- Principal, Govt Engineering college, Palakkad.
- Principal in charge , Govt. Engineering College, Kozhikode.
- Professor and Head of the Department of Mechanical Engineering, College of Engineering, Trivandrum.
- Professor, Department of Mechanical Engineering, Govt. Engineering College, Thrissur.
- Professor in charge of part time Btech courses, Govt. Engineering College, Thrissur.
- Professor and head, Department of Mechanical Engineering, Govt. Engineering college, Kozhikode.
- Senate Member, Cochin University of Science and Technology.
- Dean, Faculty of Engineering, University of Calicut.
- Chair Person, Board of Studies, Mechanical Engineering.
- Member, Research Council, University of Calicut.
- Academic standing committee member, University of Calicut.
- Member B.Tech U.G. Board of studies.
- Approved research guide, university of Calicut for guiding Ph.D students.

- Co-ordinator for the revision of B.Tech. (Regular and part time courses) Syllabus with the introduction of choice based credit system.
- Co ordinator for the revision of M.Tech syllabus with the introduction of choice based credit system.
- Expert member, University of Calicut Inspection Committee of Engineering Colleges
- Co ordinator, B. Tech examinations.
- Chairman, Aeronautical engineering B Tech examinations.
- Co-ordinated more than 150 B Tech Projects. Guided more than 15 M Tech Projects, Member, nominated by University of Calicut in the interview board for selection of lecturers in various Depts, N.S.S., College of Engineering, Palakkad
- Co-ordinator for the P.G. Programmes, Government engineering college, Thrissur,
- Memeber Board of Governors of TEQIP, Govt.Engineering College Thrissur.
- Memeber Board of Governors of TEQIP, College of Engineering Perumon.
- Member, Board of Governors, Calicut University Institute of Science and Technology governing body

ACADEMIC QUALIFICATION

- PhD : Mechanical Engineering
Indian Institute of Technology (IIT)
Chennai in 1999
- M. Tech : Mechanical Engineering
Indian Institute of Technology (IIT) Chennai in 1990.
- B.Sc. (Engg.) : Mechanical Engineering University of Kerala in 1982
Academic Experiences

PUBLICATIONS

Journals and Proceedings (National & International)

- ❖ Performance of CBN tools in Machining of Titanium alloys, international journal of materials processing technology 2002
- ❖ Development of fibre optic sensor for measurement of temperature in machining International conference on fibre optics and photonics, Madras 1996

- ❖ Effect of specific cutting pressure chip strain in cutting temperature and machining of titanium alloy proceeding Poland 1998
- ❖ Investigations on titanium alloy machining proceeding of the international Conference on computer aided Production Engineering Tokyo, 1998
- ❖ Monitoring of Process indicators for assessment of Tribology in Machining proceses, Proceedings of International Conference of Industrial Tribology Kolkata 1997
- ❖ Realization of a Three piece Manipulator through Reverse Engineering Route Proceeding of International Symposium on advanced materials and processing Khoragpur 2004
- ❖ Importance of cutting temperature and cutting force measurement in estimating tool status in turning, proceedings of 17th All India Manufacturing Technology Design and Research Conference, Warangal, 1996
- ❖ Machining of Titanium alloy with CBN tools proceeding 18th Manufacturing Technology Design and Research Conference, Hyderabad 1998.
- ❖ World class manufacturing through Total productive Maintenance, A journey towards manufacturing excellence Proceedings at National Conference on Trends in mechanical Engineering, Chennai.2003.
- ❖ Realization of a master slave manipulation through Reverse Engineering Proceedings of XIII National Conference of Indian Society of Mechanical Engineers, IIT Roorkee 2003.
- ❖ Materials for solid oxide fuel cell a review, Proceedings of International conference on materials for the future Jan 2008, Government Engineering College, Thrissur.
- ❖ Aluminium alloy AA2219, a promising alloy for Aerospace Applications, Proceedings of International Conference on Materials for future, Jan 2008 Government Engineering college, Thrissur.
- ❖ An investigation into machining of Al/SiC - Particulate Metal Matrix composite - A review – Proceedings Of International Conference on Materials for the future, 2011, Government Engineering College, Thrissur.

Fiber metal laminates- Recent Development and Applications - A Review International Conference on Material for the future 2011, Government engineering College, Thrissur.

PARTICIPATION IN CONFERENCE

- ❖ Participated and paper presented in International Conference on Fibre optics and Photonics Madras (1996).
- ❖ Participated and paper presented in International Conference on Tribology, Calcutta (1997).
- ❖ Participated and paper presented in AMTDR Conference, Hyderabad 1998
- ❖ Participated and paper presented in AMTDR Conference Warangal 1996
- ❖ Participated and paper presented in seminar on Maintenance and Monitoring, Thrissur 1998.
- ❖ Participated in the workshop conducted by Calicut University on 8-12-2003 for offering remarks and suggestions in the revision of the scheme and syllabus of B.Tech Courses.

TEACHING / REFRESHER COURSES ATTENDED

- ❖ Nuclear Engineering conducted by QIP at College of Engineering, Thiruvananthapuram.
- ❖ Biomedical Engineering conducted by ISTE at TKM College of Engineering, Kollam.
- ❖ Information system for quality assurance and productivity conducted by ISTE at Engineering College, Thrissur.
- ❖ Management Information system conducted by ISTE at College of Engineering Thiruvananthapuram.
- ❖ Modern Techniques in food preservation conducted by ISTE at Anna University Chennai.

RECOGNITIONS RECEIVED FROM VARIOUS AGENCIES

- ❖ Letter of appreciation received from commissioner of Entrance Examinations, Kerala and Education Minister for the efficient co-ordination and conduct of CAP 2005 at Kozhikode Centre.
- ❖ Best poster paper Award in the poster presentation contest conducted by the International Conference on materials for the future in January 2011.

INVOLVEMENT AS EXAMINER IN UNIVERSITY EXAMINATIONS (DETAILS)

Appointed as examiner for the evaluation of M. Tech/Thesis at various institutions such as NIT Calicut and College of Engineering, Thiruvananthapuram,

EXTENSION WORK /COMMUNITY SERVICE

(Short Account of contributions in programmes of National Integration and involvement in NSS/NCC, Sports & Games, Cultural activities. National Literacy Mission etc.)

Functioned as Patron for the Mega events 'Autopsyche 2013' & 'Autopsyche 2014' organised by College of Engineering Perumon as part of Road Safety awareness programme of Govt.

- ❖ Functioned as the patron for the Annual Cultural Fest (Revolution 05) organized by the Students union of Government Engineering College, Kozhikode.
- ❖ Chairperson of the mega event 'Ignition 05' Auto show organized by Government Engineering College, Kozhikode.
- ❖ Functioned as overall programme Committee convenor of golden Jubilee celebrations of Government Engineering College, Thrissur.

CONFERENCES / SHORT TERM COURSES CONDUCTED

- ❖ Patron for the three National conferences organised by Electrical & electronics, Electronics & Communication and Computer science departments at College of Engineering Perumon in 2016.
- ❖ Patron for the International Conference to be held in October 2016 at College of Engineering Perumon.
- ❖ Convener of the International conference on materials for the future conducted in commemoration of the golden Jubilee of Government Engineering College, Thrissur in January 2008.
- ❖ Co-ordinator of the Induction Training Programme for Teachers conducted in 2000 sponsored by Directorate of Technical Education.

FOREIGN COUNTRIES VISITED

- Dubai, UAE, as a representative of Commissioner for Entrance Examinations to conduct the entrance examination for admission to professional Degree Courses-2006 for NRI candidates.
- NUS, Singapore :Attended Leadership Training Programme for Principals of Engineering Colleges.

ACHIEVEMENTS DURING HER TENURE AS PRINCIPAL COLLEGE OF ENGINEERING PERUMON

UNDER CAPE:

- Taken lead role as project facilitator for TEQIP Phase-II and rated as one of the best performing among 19 institutions selected for the project.
- Instrumental in constructing Auditorium using MLA Fund(Shri. P.K.Gurudasan MLA)& other infrastructure such as Mechanical Block & ATM counter.

MEMBERSHIP OF PROFESSIONAL BODIES

- Life member Indian Society for Technical Education.
- Member IEEE.

OTHER ACHIEVEMENTS

- ❖ The first woman appointed as Professor and Head of Mechanical Engg. in an Engineering College among the colleges under Technical Education Department Kerala.
- ❖ The first women awarded Doctorate in Mechanical Engineering among the faculties of Engineering Colleges of the state.
- ❖ Nominated as a Government representative in the AICTE team for the approval of MBA programme at Feroke College Calicut.

DR. Z.A. ZOYA