

## **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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E-mail : [profzoya@gmail.com](mailto:profzoya@gmail.com)

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 17<sup>th</sup> All India Manufacturing Technology Design and Research Conference, Warangal, 1996
- ❖ Machining of Titanium alloy with CBN tools proceeding 18<sup>th</sup> 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**