

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



Tumkur University

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಕುಲಾಧಿಪತಿ, ಸಹಕುಲಾಧಿಪತಿ, ಕುಲಪತಿ, ಸಿಂಡಿಕೇಟ್ ಮತ್ತು  
ವಿದ್ಯಾ ವಿಷಯಕ ಪರಿಷತ್ತು ಸದಸ್ಯರಾದ ನಾವು



ಶ್ರೀ ಕೆ ಎಸ್ ಹರೀಶಾನಂದ

ಇವರು 2013 ನೇ ವರ್ಷದ ಏಪ್ರಿಲ್ ತಿಂಗಳಿನಲ್ಲಿ ಪರೀಕ್ಷಕರಿಂದ ಪರೀಕ್ಷಿಸಲ್ಪಟ್ಟು  
ಡಿ.ಎಸ್ಸಿ. ಪದವಿಗಾಗಿ ಅರ್ಹರಾಗಿರುತ್ತಾರೆಂದು ಪ್ರಮಾಣೀಕೃತವಾಗಿರುವುದರಿಂದ ದಿನಾಂಕ: 12.01.2014 ರಂದು  
ನಡೆದ ಏಳನೇ ಘಟಕೋತ್ಸವದಲ್ಲಿ ಇವರನ್ನು

ಡಾಕ್ಟರ್ ಆಫ್ ಸೈನ್ಸ್  
ಪದವಿಗೆ ಅಂಗೀಕರಿಸಿದ್ದೇವೆ.

ಮಹಾ ಪ್ರಬಂಧದ ಶೀರ್ಷಿಕೆ

ಕರೋಷನ್, ವೇರ್ ರೆಸಿಸ್ಟನ್ಸ್ ಅಂಡ್ ಮೆಕ್ಯಾನಿಕಲ್ ಪ್ರಾಪರ್ಟೀಸ್ ಆಫ್ ZnO, ZrO<sub>2</sub>, CeO<sub>2</sub>,  
ನ್ಯಾನೋ-ಮೆಟಲ್ ಆಕ್ಸೈಡ್ಸ್ ಡೋಪ್ಡ್ ಅಲ್ಯೂಮೀನಿಯಂ ಅಂಡ್ ಎಪಾಕ್ಸಿ ಕಾಂಪೋಸಿಟ್ಸ್

We, the Chancellor, the Pro-Chancellor, the Vice Chancellor and members of the Syndicate and the Academic  
Council of Tumkur University do hereby certify that on the recommendation of the Board of Examiners

**Sri K S Harishanand**

has been admitted to the Degree  
of

**Doctor of Science**  
(in Material Science)

On being duly certified to have qualified for the same in the month of **April 2013**.

Title of the Thesis

**CORROSION, WEAR RESISTANCE AND MECHANICAL PROPERTIES OF  
ZnO, ZrO<sub>2</sub>, CeO<sub>2</sub>, NANO-METAL OXIDES DOPED ALUMINIUM AND EPOXY COMPOSITES**

at the Seventh Convocation held on 12.01.2014

ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಲಾಂಛನದೊಂದಿಗೆ ನೀಡಿದೆ.

Given Under the Seal of the University



ಕುಲಪತಿ  
Vice Chancellor

Date: 12.01.2014

ತುಮಕೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಕರ್ನಾಟಕ (ಭಾರತ)  
Tumkur University, Karnataka (India)



Registrar

Phone (0831) 2405468  
 Fax (0831) 2405467

VTU/Ph.D./AC/A7/2019-2020/ 11218 / 7 / 110

Date 23, Mar 2019

**OFFICE ORDER**

Sub: Regarding of Ph.D /M.Sc (Engg) by Research Program  
 Ref: Your application for the Ph.D /M.Sc.(Engg) by Research Program

By the recommendations of the Admission Committee, you are hereby provisionally permitted to register under VTU for pursuing Ph.D /M.Sc (Engg) research Program with the following details:

1. Name	YOGISH S RAO M.							
2. Programme	Ph.D.							
3. Type	Part Time							
4. Research Centre Department	Mechanical Engineering and Science							
5. College/Institute	ALVAS INST. OF ENGG. AND TECHNOLOGY, MOODABIDRI							
6. Supervisor	HARISHANAND K.S.							
7. Co-Supervisor	(No Co-Supervisor)							
8. Research Topic	FABRICATION AND STUDY OF EFFECT OF POLYMER COMPOSITE ELECTRODE MEMBRANE ON EFFECIENCY OF DMFC							
9. Constitution of Doctoral committee & approval from University	Ph.D. 3.1.2 Regulations-2017							
10. Proposing Coursework	Course work should be selected and approved by Doctoral Committee as per Ph.D. 14.1 (a) Regulations-2017							
11. Mandatory residence certificate for part time candidates	Ph.D. 15.1 Regulations-2017							
12. Six months Progress Report (From date of Provisional Registration) Ph.D.16 Regulations-2017	1st	2nd	3rd	4th	5th	6th	7th	8th
13. Course work	Ph.D. 14 Regulations-2017							
14. Comprehensive Viva-Voce	Ph.D. 17 Regulations-2017							
15. Conformation of Ph.D Registration	Ph.D. 18 Regulations-2017							
16. Open Seminar (I & II)	Ph.D. 19.1 Regulations-2017							
17. Pre-Submission Colloquium	Ph.D. 19.2 Regulations-2017							
18. Submission of Long Synopsis plagiarism check and Publications	Ph.D. 19.3, Ph.D 19.4 & Ph.D 20 Regulations-2017							
19. Submission of Thesis	Ph.D. 22 Regulations-2017							
20. Final Viva-Voce	Ph.D. 23.7 Regulations-2017							

*[Signature]*  
 PRINCIPAL

Alvas Institute of Engg. & Technology  
 Moodabidri - 576 225, P.D. 110

This permission for registration is subject to fulfilling the following conditions:

1. Letter of acceptance for the Provisional admission, duly forwarded by the Supervisor/ Co-Supervisor and Head of Research Centre or before 12, Apr 2019.
2. An undertaking to abide by the rules and regulations of the University.
3. Online payment of Rs.6000/- towards requisite registration fee.



4. University Development fee (One time paid) 2,000/-
5. E-Consortium (every academic year) 3,000/-

**Note:** This Provisional Registration is subject to fulfilling the conditions specified in the Clause Ph.D.14.6 and 14.7 of the Regulations (Amended) Governing the Degree of Doctor of Philosophy (Ph.D. 2017).



REGISTRAR



Download VTU regulation: <http://www.vtu.ac.in/pdf/regulation/phd201718.pdf>

To, **YOGISH S RAO M**, ARYAHILAYA, 11/52/1 I, NAGABRAHMASTHANA ROAD, LADI, MOODIBIDRE- 574227  
KARNATAKA

Copy to,

1. Research Center. **ALVAS INST. OF ENGG. AND TECHNOLOGY**, Mijar, Moodbidri, MOODABIDRI
2. The Supervisor/Co-Supervisor. **HARISHANAND K S** / (No Co-Supervisor)



PRINCIPAL

Alva's Institute of Engg. & Technology  
Mijar, MOODIBIDRI - 574 225, D.K



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

A Unit of Alva's Education Foundation (R)

( Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka )  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka St.  
Phone : 08258-262724 (O), 262725 (P), Telefax:08258-262726  
Email : princpalalal108@gmail.com, Web:www.alet.org.in

Date- 10/

To - The Registrar,  
Visvesvaraya Technological University,  
Jnana Sangama, Belgavi,  
Karnataka- 590018.

Sub: Acceptance letter in response to VTU office order dated 23 March 2019 (Ref  
VTU/PhD/AC/A7/2019-2020/11218/7/ME.

Respected Sir,

It is understood that **Mr. Yogish S Rao M** qualified by clearing entrance test and interview pro  
register for his **PhD research** as Per **VTU** rules and regulations. I acknowledge his inter  
purpose hence declare that he shall be enrolled though our Mechanical Engineering research  
at AIET Mijar, under the supervision of **Dr Harishanand K.S.**

Thanks and Best Regards,

Signature of Supervisor

Signature of Research center Head  
PRINCIPAL  
Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K

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Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 225, D.K