

Application for faculty postion.**Bio Data****PERSONAL PARTICULARS**

Name of the Applicant: Dr.S.M.Ravi Kumar	Gender : Male	
College Address:	G Pullaiah College of Engineering and Technology Nandikotkur road, Venkayapalli,Kurnool-518001	
Email Address : smrvkumar@gmail.com	Contact Number(s) : 8310793890, 9986919776 ,	
Marital Status Married	Nationality : Indian	Religion : Hindu
Date of Birth : 18.03.66	Age : 56 years	

EDUCATIONAL LEVEL ATTAINED

Sl.No	Exam (s) Passed	Discipline	Name of the Board / University /Institution.	Year of Passing	Class
01	10 th & 12 th	Science	CBSE	1982 &1984	First
01	B.E.	Mechanical	Karnatak University	1990	First
02	MTech.	Production Engg. System Tech.	UBDT DAVANGERE, Govt.Engg.College Estb 1951 IIT level oldest engg college in Karnataka.	2000	First
03	Phd	Mechanical	JNTU Hyderabad	2019	

EMPLOYMENT HISTORY

Sl.No	Name of the College	Post Held	Total year(s) of Experience
1	Indiana Industries New Delhi	Project Engineer	3
2	BVV Sangha PDIT Hospet/Bellary	Lecturer, Asst. Prof.	10
3	Don Bosco Institute of Technology Bangalore NBA ,NAAC accredited	Asst. Prof Asso .Prof.	12
4	Bharat Institute of Engg and Tech Ibrahimpattam Hyderabad NBA ,NAAC accredited	MTech Coordinator Asso.Prof CAD/CAM/ ROBOTICS	1

5	G.Pullaiah College Of Engineering & Technology(Autonomous), Kurnool	Associate Professor	Presently working
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Recent achievements

Performance report (submitted to GPCET for Performance evaluation on 5/7/23)

Of Dr.S M Ravi Kumar dept of ME

Research

1.Patent granted -2023 applied, design approved, registered and finally granted.

Automatic pesticide spraying Robot.

2.IEEE Xplore -2023 paper published -2023 as faculty of GPCET and first author. This paper can be searched in internet. Approved by Dr.KCT Swamy uploaded in our digital campus. IoT Based Fish Pond Monitoring System to Enhance Its Productivity.

3.Paper corresponded Springer IjiDeM –Designing a Cabinet Solar drier for optimized functionality.

Successfully completed NPTEL course on IOT(Internet of Things)with high grade 77 MARKS.

Sucessfully attended college Training program C and Data structures by Dr Prem Kumar sir(CSE Dept) -2 months course daily 2 hours 30 min. 100% attendance.

Project proposal

- i) **DST Power plant proposal as co principal investigator along with Dr Mallikarjuna**
- ii) **DST proposal as principal investigator Aquaculture monitoring system**

3.Paper published in METSZET journal april 2023 –Development and flexural testing of carbon fiber reinforced plastic GFRP

5.Papers(2 nos) to be Published almost ready to be submitted to Special officer Sir for Robotic journal and NIT Warangal. Robot kinematic and dynamic model is ready using Analyzing for singularity. Trying to achieve Pulse width modulation servo control module also for control.

6.innovative product- Bike part made of GFRP is fantastically made Photo enclosed made in GPCET LAB(part of work).

7.GFRP samples with various additives tested at a professional testing Lab at Hyderabad.Test Report enclosed.

8. Present mini project for 3rd yr student- Metal matrix composite smart actuator wire which is programmed for Shape memory configuration. Micro actuators without motors application such as Robot wrist, Air bag actuation in cars, Electro hydraulic servo valves in aircrafts.

Photo attached –Actuator wire and Live working can be demonstrated.

This Mini project presents a study of a metal matrix composite system that was synthesized with an off-eutectic Tin (Sn)-Bismuth (Bi) alloy matrix, reinforced with Nickel–Titanium (NiTi) shape memory alloy (SMA) wires. The ability to close cracks, recover bulk geometry, and regenerate strength upon the application of heat was investigated. NiTi wires were etched and coated in flux before being incorporated into the matrix to prevent disbonding with the matrix. Samples were subjected to large deformations in a three-point bending setup. Subsequent thermo-mechanical testing of the composites confirmed the materials' ability to restore their geometry and recover strength, without using any consumable components. Self-healing was accomplished through a combination of activation of the shape memory effect in the NiTi to recover the samples' original macroscopic geometry, closing cracks, and melting of the eutectic material in the matrix alloy, which resealed the cracks. Subsequent testing indicated a 92% strength recovery.

9. Mini projects of last semester Stainless steel razor blade welding by Pencil(Graphite) by 20 volt battery and welding parameters calculated using welding software. Successfully presented by students.

Mini Model of Hydraulic system and the hydraulic circuit analysis by dedicated Hydraulic software successfully presented.

Obstacle avoidance Robot using Arduino and Path analysis by dedicated model using Matlab.

Successfully presented.

Special achievement

Departmental achievements

1. Taught CAD modeling to 2nd yr students with advanced modeling software Solid edge also some encouraged some good students to practice advanced modeling using Catia,solid edge which resulted in achieving 1lakh prize money for CONVEYER WITH HANDLES FOR WASTE SEGREGATION from a SPONSORED EVENT -Kurnool Municipality.

2. Getting CNC Machine repaired and the programming plus execution of metal cutting successfully demonstrated to NBA committee also the student batches.

3, Present NAAC work

Student council Report 5.2.3—A fine and meticulously worked out report with appropriate substantiation submitted and uploaded (as informed by criteria head).

4. Articulation of many department Reports, information etc like brochure programs and events.

5. Conducted two Seminars Expert lectures on 3D Printing and Robot Kinematics.

Academic Work

Handled Fundamentals of Artificial intelligence and Machine learning Final yr subject with 100 percent results.

Handled Fundamentals of Internet of Things 3rd yr Subject.

Handled Metrology and Measurements theory subject and lab with cent percent results.

Handled Universal Human values theory subject and first yr workshop batches.

I have expertise and wished to handle Engg. Drawing, Operations research but did not get the chance.

Old Bio data

Achievements

Grant sponsored received:

1. AICTE GRANT (RPS) -3.5 lakhs.
2. Developed KUKA Robot lab at DBIT and FALCON ROBOT
3. CIM / Modeling and Analysis lab and CAED lab in-charge for 20 years.
4. Established Computer aided modeling and analysis lab for scratch writing manual and FEM numerical with ALGOR /ANSYS software.
5. Established Computer Integrated Manufacturing Lab with Capps mill, Cappsturn, SeeNC programs. with manual part programs and computer assisted program manuals.

Additional Courses

1. Taken 6 month course on Advanced FEM at IISc. Bangaluru.
2. Undergone one month training in Unigraphics at CADD centre at Hyderabad.
3. Undergone one month training in ANSYS at a professional institute at Hyderabad.

- 4, Attended 2 weeks training in CAD/CAM and ROBOTICS in I.S.T.E Sponsered STTP at B.I.E.T Davangere.
5. Attended 2 weeks training course “Recent trend in applications of FINITE ELEMENT ANALYSIS at TEQIP Sponsered STTP at B.E.C Bagalkot.
6. Attended 1week training course in “Finite Element Methods in structural dynamics at I.I.Sc.Bangalore.
7. Attended 2 weeks training in “Advances in casting and welding technique” at BEC Bagalkot.
8. Attended 5 days training in “Instructional Design and Delivery” by NITTTR Chennai.
- 9.5 DAY Faculty development program on AUTODESK INVENTOR conducted by ICT academy.
10. FDP on Advanced materials using SEM, AFM etc. at RVCE Bangalore.
- 11.COURSERA GEORGIA INSTITUTE OF TECHNOLOGY”Material Processing” certificate.
- 12.COURSERA GEORGIA INSTITUTE OF TECHNOLOGY”Mechanics of Materials certificate” certificate.
- 13.COURSERA “Modeling and design for Mechanical Engineers” from AUTODESK fusion centre.
- 14.COURSERA Certificate “Artificial Intelligence for everyone”.

Project guidance

Guided students projects in Robotics, CNC, Composite materials synthesis, machining, modeling of newer materials like GFRP composites, Metal matrix composites, Steel and titanium alloys. Tool life of cutting tools, residual stresses of machining, vibration effects, and Thermal analyses. F.E.A analysis on metal cutting, Investigation of machining parameters using ANOVA techniques by MINITAB software, heat transfer analysis, Robot simulation etc.

LIST OF PUBLICATIONS IN JOURNALS

1. “Predictive Analysis of Machining GFRP Material by Taguchi Method” **S. M. Ravi Kumar**
International Journal of Emerging Trends In Engineering and Development
:(Issue 6, Vol. 6) November 2016 ISSN 2249-6149, Pages 13-19.
2. “Analysis of Hard Machining of Titanium Alloy by Taguchi Method”. **S. M. Ravi Kumar,**
Suneel Kumar Kulkarni. International Journal of Materials Today Proceedings, Elsevier
Publications.volume 4, Issue 10, 2017, Pages 10729-10738.

3. "Machining Analysis of GFRP Material of Different Fiber Orientation Using Anova and Taguchi Method" **S.M.Ravi Kumar**, Suneel Kumar Kulkarni International Journal of Materials Today Proceedings, Elsevier Publications. Advanced Materials, Manufacturing, Management and Thermal Science.
4. "Experimental Study of Machining, Cutting Force, Chip Compression Ratio and Coefficient of Friction." **S.M. Ravi Kumar**, Suneel Kumar Kulkarni International Journal of Emerging Trends In Engineering and Development: (Issue 6, Vol. 6) Pages 183-188 , October 2016 ISSN 2249-6149
5. "Machining Performance on Hardened Steels", **S.M.Ravi kumar**, B.Surender Grenze Scientific Society ISBN: 978-81-931119-5-6. 2017 Pages: 223-227.

LIST OF PUBLICATIONS IN CONFERENCES

1. "Modeling of Tool chip interface in Machining" S.M.Ravi kumar, International Conference MEMS 08 AEC Bhatkal. 22&23 Oct 2008.
2. "Investigation of Machining by Modeling and Experiments" S.M.Ravi kumar, International Conference, FAME 08, Sivakasi 11-13 Dec 08.
3. "Experimental Investigation using parametric design to evaluate machining factors on surface finish of AISI 4340 Steel", S.M.Ravi kumar, Suneel Kumar Kulkarni Advances in Mechanical Engineering AME 09 National Conference DBIT Bangalore. March 30-31, 2009.
4. "Investigating the effect of cutting parameters in machining", S.M.Ravi kumar, Suneel Kumar Kulkarni, Huligappa B" National conference NCASHME'10 held at Shirdi Sai Engineering college, Anekal Bangalore. 23&24 April 2010.
5. "Modeling Surface roughness in Machining of GFRP composites by carbide tool". S.M.Ravi kumar, Suneel Kumar Kulkarni, Huligappa B, Proceedings of the National Conference on Development in

Composite Materials and Processes DCMP-2011 National Conference DBIT Bangalore April 7-9, 2011.

Membership

Life Member of I.S.T.E.

In charge

Worked as Computer aided Engineering drawing lab, CAD/CAM LAB and Modeling & Analysis lab in charge

VTU

Member of University Examiners panel and have done paper setting and do valuation work for various subjects.

References

1. Dr. M Kotresh Asst. Director(Trg)
Directorate of Employment & Training Cel: 9886601214 mkotresh@rediffmail.com
2. Dr. G. R. Rajkumar Professor Dept of M.E R.V Engineering college Bangalore
Ph: 9739728089 rajkumargr@rvce.edu.in
3. Dr. Siddesh S Associate Professor at ACS College of Engineering
Bengaluru, Karnataka, India mob 9008545678 mail skphss@gmail.com

Date: _____

Signature: _____



ORIGINAL

मूल/No : 122443



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 371322-001
तारीख / Date : 23/09/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AUTOMATIC PESTICIDE SPRAYING ROBOT** से संबंधित है, का पंजीकरण, श्रेणी **15-03** में 1.Mr. Sandeep B 2. Dr. Vanajaroselin E. Chirchi 3.Dr. M. Prabhakar 4.Dr. S. M. Ravi Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **15-03** in respect of the application of such design to **AUTOMATIC PESTICIDE SPRAYING ROBOT** in the name of 1.Mr. Sandeep B 2. Dr. Vanajaroselin E. Chirchi 3.Dr. M. Prabhakar 4.Dr. S. M. Ravi Kumar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 29/12/2022

महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

Research Article

Iot Based Fish Pond Monitoring System to Enhance Its Productivity

**S M Ravi Kumar¹, Thayyaba Khatoon Mohammed², Seeram Srinivasa Rao³,
Dinesh Anton Raja P⁴,
Ruhi Bakhare⁵, Ashok Kumar⁶**

¹Department of Mechanical Engineering, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh 518452, India. smrvkumar@gmail.com

²School of Engineering, Malla Reddy University (MRU), Hyderabad, Telangana 500043, India. hodaiml@mallareddyuniversity.ac.in

³Department of Mechanical Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh 522302, India. ssrao@kluniversity.in

⁴Department of Electronics and Communication Engineering, R.M.K. Engineering College, Kavaraipettai, Tamil Nadu 601206, India. pdaraja@gmail.com

⁵Department of Master of Business Administration, Dr. Ambedkar Institute of management studies and research Deekshbhoomi, Nagpur, Maharashtra 440010, India. ruhibakhare@rediffmail.com

⁶Department of Computer Science, Banasthali Vidyapith, Rajasthan 304022, India. kuashok@banasthali.in

Designing A Cabinet Solar Drier Integrated with Thermal Storage for the Optimized Functionality

G. Ramya¹, Ravi Samikannu², Satyanarayana Tirlangi³, Samson Isaac J⁵,
S M Ravi Kumar⁶, C. Chiranjeevi⁷

¹Department of Mechanical Engineering, Rajalakshmi Engineering College, Thandalam, Tamil Nadu 602105, India. ramya.g@rajalakshmi.edu.in

²Department of Electrical, Computer and Telecommunications Engineering, Botswana International University of Science and Technology, Palapye, Botswana. ravis@biust.ac.bw

³Department of Mechanical Engineering, VIET College of Engineering, Visakhapatnam, Andhra Pradesh 530027, India. satyanarayanamdme@gmail.com

⁵Department of Biomedical Engineering, Karunya Institute of Technology and Sciences, Coimbatore 641114, Tamil Nadu, India. samsonisaac@karunya.edu

⁶Department of Mechanical Engineering, G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh 518452, India. smrvkumar@gmail.com

⁷School of Mechanical Engineering, Vellore Institute of Technology, Vellore 632014, Tamil Nadu, India. chiranjeevi.nit@gmail.com



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
S M RAVI KUMAR
for successfully completing the course



Introduction to Internet of Things

with a consolidated score of **77** %

Online Assignments	22.72/25	Proctored Exam	54/75
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Total number of candidates certified in this course: **14770**

Jan-Apr 2023
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS51S64041000

To validate the certificate



No. of credits recommended: 3 or 4



Visveswaraiah Technological University

Belgaum

Dr. M. K. Venkatesha
Registrar (Evaluation)

Phone : (0831) 402988
Fax : (0831) 402989

Date : 14 NOV 2002

Ref.No./VTU/Exam/2002-03/5772

STRICTLY CONFIDENTIAL

Prof S.m. Ravikumar
PDET Hospet

Sir / Madam,

Sub : Appointment as paper setter for January / July 2003..... Examinations

By the direction of Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details under. You are requested to accept the assignment.

Exam : B.E. / B.Arch. / MBA / MCA / M.Tech. Course / Branch : IT Sem : 7th
Sub Code : IT-7613 No. of set/s : one Last date for submission : 30/11/2002
Sub : Robotic Systems & Control

INSTRUCTIONS TO PAPER SETTERS

- Questions shall strictly be from the University prescribed books, covering the entire syllabus. There shall be a maximum of four subdivisions in each question. To the extent possible, wherever applicable there shall be a numerical problem in each question. Follow the prescribed model question paper or earlier question papers.
- Scrupulously scrutiny the question paper for completeness (subject code, title & clarity), missing data / figure / marks / questions or parts thereof & out of syllabus questions, before transmitting the University.
- Furnish the scheme & solution, on a plain paper and enclose the same in the cover provided. Indicate the final answers for all numerical problems.
- Enclose the remuneration bill separately (Never enclose the remuneration bill along with the scheme). The remuneration for paper setting is Rs. 150/- for UG and Rs. 175/- for PG Question Papers, while the remuneration for the preparation of scheme and solution is Rs. 300/-
- Ensure that the Manuscript of the Question paper along with Scheme & Solution reaches undersigned, by Registered Post on or before the expiry of the dead line.
- Return all enclosures to the undersigned by return of post, if you are unable to accept this assignment.

Thanking you,

Yours sincerely,

M.K. Venkatesha
Registrar (Evaluation)

Encl :

1. Copy of the syllabus
2. Question paper pattern
3. Previous QP / model QP
4. Manuscript sheets
5. Inner cover for manuscript
6. Outer cover for QP manuscript & Scheme
7. Inner cover for scheme & Solution
8. Remuneration bill

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Visveswaraiah Technological University

Belgaum

Dr. M. K. Venkatesha
Registrar (Evaluation)

Phone : (0831) 402988
Fax : (0831) 402989

Ref.No./VTU/Exam/2002-03/ **8633**

Date : **14 APR 2003**

STRICTLY CONFIDENTIAL

Prof. S.M. Ravikumar

POIT Hospet

Sir / Madam,

Sub : Appointment as paper setter for January / July 2003 Examinations

By the direction of Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details under. You are requested to accept the assignment.

Exam : B.E. / B.Arch. / MBA / MCA / M.Tech. Course / Branch : IT Sem : 7th

Sub Code : IT-7613 No. of set/s : One Last date for submission : 29 APR 2003

Sub : Robotic Systems & Control

INSTRUCTIONS TO PAPER SETTERS

- Questions shall strictly be from the University prescribed books, covering the entire syllabus. The shall be a maximum of four subdivisions in each question. To the extent possible, wherever applicable there shall be a numerical problem in each question. Follow the prescribed model question paper or earlier question papers.
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- Return all enclosures to the undersigned by return of post, if you are unable to accept this assignment.

Thanking you,

Yours sincerely,

M.K. Venkatesha
Registrar (Evaluation)

Encl :

1. Copy of the syllabus
3. Previous QP / model QP
5. Inner cover for manuscript
7. Inner cover for scheme & Solution

2. Question paper pattern
4. Manuscript sheets
6. Outer cover for QP manuscript & Scheme
8. Remuneration bill

1404



Visveswaraiah Technological University

Belgaum, Karnataka, INDIA

Ref.No/VTU/Exam/2003-04/ 5724

Date: 24 MAR 2004

STRICTLY CONFIDENTIAL

Bel S. M. Ravikumar P.P.T. Hospet

Sir / Madam,

Sub : Appointment as paper setter for Jan-Feb / June-July 2004..... Examinations.

By the direction of Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details as under.
YOU ARE REQUESTED TO ACCEPT THE ASSIGNMENT.

Exam: B.E./B.Tech./B.Arch./MBA/MCA/M.Tech./M.Sc.(Eng)/Ph.D. Course/Branch : IT Sem : VII

Sub : Robotic Systems & Control

Sub Code : IT 703 # of sets : Two To be submitted before: 10 APR 2004

INSTRUCTIONS TO PAPER SETTERS

- Set eight questions out of which the students have to answer any five full questions (UNLESS OTHERWISE SPECIFIED).
- Questions shall strictly be from the University prescribed books, covering the entire syllabus. There shall be a maximum of four subdivisions in each question. To the extent possible, wherever applicable, THERE SHALL BE A NUMERICAL PROBLEM IN EACH QUESTION.
 - PROVIDE NEAT SKETCHES AS THESE FIGURES ARE SCANNED DIRECTLY FROM THE MANUSCRIPT FOR FINAL PRINTING.
 - Explicitly indicate the figure numbers. For example, identify the figure pertaining to Q 2(c) as Fig. Q 2(c) immediately adjacent to it.
 - GIVE INSTRUCTIONS ON ISSUE OF HAND BOOKS, STEAM TABLE, CHARTS .. ETC.
- Scrupulously scrutiny the question paper for completeness (subject code, title & clarity), missing data / figure / marks / questions or parts thereof & out of syllabus questions and READ THE QUESTION PAPER METICULOUSLY - SEAL IT IN APPROPRIATE COVER, before transmitting to the University.
 - FURNISH THE SCHEME & SOLUTION, ON A PLAIN PAPER & SEAL IT IN THE APPROPRIATE COVER. Indicate the final answers for all numerical problems.
 - Ensure that the Manuscript of the Question paper along with Scheme & Solution reaches the undersigned, by Registered Post on or before the expiry of the dead line.

• REMUNERATION PARTICULARS

Course	Remuneration (Rs)		REMARKS
	Paper Setting	Scheme & Solution	
B.E. / B. Tech. / B. Arch.	150/-	300/-	ENCLOSE THE BILL SEPARATELY (DO NOT ENCLOSE THE REMUNERATION BILL INSIDE THE PACKET THAT CONTAINS THE SCHEME/QUESTION PAPER).
MBA/MCA/M.Tech/ M.Sc.(Eng.)	175/-	300/-	
Ph.D.	225/-	300/-	

- Please note that your cooperation is mandatory and in case you are unable to accept the assignment, return all enclosures to the undersigned by return of post with valid reasons for not accepting the assignment..

Thanking you,

Yours sincerely,

H K COO...
Registrar (Evaluation)

Encls :

- Copy of the syllabus
- Manuscript sheets
- Outer cover for QP manuscript & Scheme
- Remuneration bill

- Previous QP /model QP
- Inner cover for manuscript
- Inner cover for scheme & solution

24.3

Visvesvaraya Technological University

Belgaum, Karnataka - 590 018

Ref.No/VTU/Exam/2010-11/1298

Date: 29 MAR 2011

STRICTLY CONFIDENTIAL

Prof. S. M. Ravikumar, Dept of ME, Don Bosco, Blore.

Sir / Madam,

Sub : Appointment as paper setter for ~~Jan-Feb~~ / June-July 20.11. Examinations.
By the direction of the Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details as under. **You are requested to accept the assignment.**

Exam: B.E./B.Tech/B.Arch/M.Arch/MBA/MCA/M.Tech/M.Sc(Eng)/Ph.D.Course/Branch: MCM

Sem : IInd Sub: Robotics

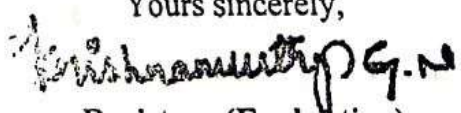
Sub Code: DSMCM21 No. of sets : one To be submitted before : 31 MAR 2011

INSTRUCTIONS TO PAPER SETTERS

- **Typed manuscript / scheme will not be accepted. Please write down the questions LEGIBLY.**
- Use only 'generally accepted' short forms. (It is difficult to decipher 'S.T.' as 'Show that'.)
- Set eight questions, out of which, the students have to answer five full questions. (Unless otherwise specified).
- Wherever syllabus is made unitwise consisting of 8 units, ONE FULL question should be set from each unit, (not applicable to MBA).
- Questions shall strictly be from the university prescribed books, covering the entire syllabus. There shall be a maximum of four subdivisions in each question. Please avoid subdivisions, with in subdivisions, for the sake of clarity. Wherever applicable, there shall be a numerical problem in each question.
- Provide neat sketches as these figures are scanned directly from the manuscript for final printing. Sketches should be drawn in black ink only.
- Explicitly indicate the figure numbers. For example, identify the figure pertaining to Q 2(c) as Fig. Q2 (c) immediately adjacent to it.
- Whenever problems are included, make sure to give all the relevant data from the data handbook, to avoid the issue of handbooks / tables / charts etc..
- However, if special charts, data book are required to be given, please explicitly mention the same, in the 'Instruction to the candidates', at top of the Q.P.
- Scrupulously scrutinize the question paper for its completeness (subject, code, subject title & clarity), missing data / figure / marks allocated / repetition of entire question or part thereof & out of syllabus questions. Read the question paper meticulously and seal it in the appropriate cover enclosed, before sending it to the university.
- Furnish the scheme & solutions, in the enclosed booklet meant for it & seal it in the appropriate cover. Indicate boldly the final answers for all numerical problems.
- A question paper without "Scheme & Solution" is liable for rejection.
- Ensure that the manuscript of the question paper, along with scheme & solution, reaches the undersigned, by Registered post on or before the expiry of the date mentioned above.
- Ensure that you personally destroy the rough draft & other material used to prepare the manuscript. No part of the manuscript or the full version should be retained in any form.
- In case, by any chance, you are unable to accept the assignment, please return all enclosures to the undersigned by return of post, with valid reasons for not accepting it.

Thanking you,

Yours sincerely,


Registrar (Evaluation)

Encls :

1. Copy of the syllabus
3. Manuscript sheets
5. Outer cover for QP manuscript & scheme
7. Remuneration bill

2. Previous QP / model QP
4. Inner cover for the manuscript
6. Inner cover for the scheme & solution
8. Scheme & solution format



Visvesvaraya Technological University

Belgaum, Karnataka – 590 018

Ref.No/VTU/Exam/2010-11/ 1324

Date: 19 MAR 2011

STRICTLY CONFIDENTIAL

Per. of S. M. Ravikumar Dept of ME Don Bosco, B'lore
Sir / Madam,

Sub : Appointment as paper setter for Jan-Feb / June-July 2011 Examinations.

By the direction of the Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details as under. **You are requested to accept the assignment.**

Exam: B.E./B.Tech/B.Arch/M.Arch/MBA/MCA/M.Tech/M.Sc(Eng)/Ph.D.Course/Branch:

Sem : IInd Sub: Robotics

Sub Code: 10MMD/MDE253 No. of sets : One To be submitted before : 13 APR 2011

INSTRUCTIONS TO PAPER SETTERS

- **Typed manuscript / scheme will not be accepted. Please write down the questions LEGIBLY.**
- Use only 'generally accepted' short forms. (It is difficult to decipher 'S.T.' as 'Show that'.)
- Set eight questions, out of which, the students have to answer five full questions. (Unless otherwise specified).
- Wherever syllabus is made unitwise consisting of 8 units, ONE FULL question should be set from each unit, (not applicable to MBA).
- Questions shall **strictly be from the university prescribed books, covering the entire syllabus.** There shall be a **maximum of four subdivisions in each question.** Please avoid subdivisions, with in subdivisions, for the sake of clarity. Wherever applicable, there shall be a numerical problem in each question.
- Provide neat sketches as these figures are scanned directly from the manuscript for final printing. Sketches should be drawn in black ink only.
- Explicitly indicate the figure numbers. For example, identify the figure pertaining to Q 2(c) as Fig. Q2 (c) immediately adjacent to it.
- **Whenever problems are included, make sure to give all the relevant data from the data handbook, to avoid the issue of handbooks / tables / charts etc..**
- However, if special charts, data book are required to be given, please explicitly mention the same, in the 'Instruction to the candidates', at top of the Q.P.
- Scrupulously scrutinize the question paper for its completeness (subject, code, subject title & clarity), missing data / figure / marks allocated / repetition of entire question or part thereof & out of syllabus questions. Read the question paper meticulously and seal it in the appropriate cover enclosed, before sending it to the university.
- Furnish the scheme & solutions, in the enclosed booklet meant for it & seal it in the appropriate cover. Indicate boldly the final answers for all numerical problems.
- A question paper **without "Scheme & Solution" is liable for rejection.**
- Ensure that the manuscript of the question paper, along with scheme & solution, reaches the undersigned, by Registered post on or before the expiry of the date mentioned above.
- Ensure that you personally destroy the rough draft & other material used to prepare the manuscript. No part of the manuscript or the full version should be retained in any form.
- In case, by any chance, you are unable to accept the assignment, please return all enclosures to the undersigned by return of post, with valid reasons for not accepting it.

Thanking you,

Yours sincerely,

Krishnaiah G.N
Registrar (Evaluation)

Encls :

1. Copy of the syllabus
3. Manuscript sheets
5. Outer cover for QP manuscript & scheme
7. Remuneration bill

2. Previous QP / model QP
4. Inner cover for the manuscript
6. Inner cover for the scheme & solution
8. Scheme & solution format

Visvesvaraya Technological University
Belgaum, Karnataka - 590 014

Ref.No/VTU/Exam/2004-05/ZS77

Date: 17 NOV 2004

STRICTLY CONFIDENTIAL

Prof: S.M. Ravikumar Dept of IT PDIT Hospet

Sir / Madam,

Sub : Appointment as paper setter for Jan-Feb / June-July 2005 Examinations.

By the direction of Vice-Chancellor, I am pleased to appoint you as paper setter for the subject with details as under. **YOU ARE REQUESTED TO ACCEPT THE ASSIGNMENT.**

Exam: B.E./B.Tech./B.Arch./MBA/MCA/M.Tech./M.Sc.(Eng)/Ph.D.Course/Branch : IT Sem : 7th

Sub : Robotic Systems & Control

Sub Code : IT 7G3 # of sets : Two To be submitted before: 4 DEC 2004

INSTRUCTIONS TO PAPER SETTERS

- Set eight questions out of which the students have to answer any five full questions (**UNLESS OTHERWISE SPECIFIED**).
- Questions shall strictly be from the University prescribed books, covering the entire syllabus. There shall be a maximum of four subdivisions in each question. *To the extent possible, wherever applicable, THERE SHALL BE A NUMERICAL PROBLEM IN EACH QUESTION.*
 - Provide neat sketches as THESE FIGURES ARE SCANNED DIRECTLY FROM THE MANUSCRIPT FOR FINAL PRINTING.
 - Explicitly indicate the figure numbers. For example, identify the figure pertaining to Q 2(c) as Fig. Q 2(c) immediately adjacent to it.
 - GIVE INSTRUCTIONS ON ISSUE OF HAND BOOKS, STEAM TABLE, CHARTS .. ETC.
- **Scrupulously scrutiny the question paper for completeness** (subject code, title & clarity), missing data / figure / marks / questions or parts thereof & out of syllabus questions and **READ THE QUESTION PAPER METICULOUSLY - SEAL IT IN APPROPRIATE COVER, before transmitting to the University.**
 - FURNISH THE SCHEME & SOLUTION, ON A PLAIN PAPER & **SEAL IT IN THE APPROPRIATE COVER.** Indicate the final answers for all numerical problems.
 - Ensure that the Manuscript of the Question paper along with Scheme & Solution reaches the undersigned, by Registered Post on or before the expiry of the dead line.

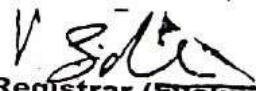
REMUNERATION PARTICULARS

Course	Remuneration (Rs)		REMARKS
	Paper Setting	Scheme & Solution	
B.E. / B. Tech. / B. Arch.	150/-	300/-	Enclose the bill separately (Do not enclose the Remuneration Bill inside the packet that contains the Scheme/Question Paper).
MBA/MCA/M.Tech	175/-	300/-	
M.Sc.(Eng.)/ Ph.D.	225/-	300/-	

In case, by any chance, you are unable to accept the assignment, please return all enclosures to the undersigned by return of post with valid reasons for not accepting the assignment..

Thanking you,

Yours sincerely,


Registrar (Evaluation)

pls :

Copy of the syllabus
Manuscript sheets
Cover for QP manuscript & Scheme
Remuneration bill

2. Previous CP /model QP
4. Inner cover for manuscript
6. Inner cover for scheme & solution



CENTRE FOR CONTINUING EDUCATION
INDIAN INSTITUTE OF SCIENCE
BANGALORE 560 012

CERTIFICATE

RAVI KUMAR. S M

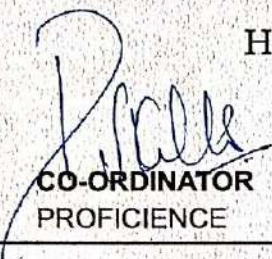
has successfully completed a Continuing Education Course* with **2+0** credits on

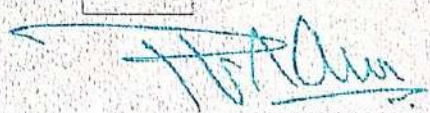
Advanced Finite Element Method-II

conducted during AUGUST - DECEMBER 2007 under the

PROFICIENCY PROGRAMME

His/Her overall performance has been graded** as **B**


CO-ORDINATOR
PROFICIENCY


CHAIRMAN
CENTRE FOR CONTINUING EDUCATION

* Continuing Education Course Credits are not transferable towards the credit requirements of any formal degree/ diploma programmes of IISc

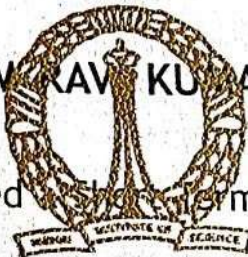
** Grades: S - Outstanding; A - Excellent; B - Very Good; C - Good; D - Satisfactory



CENTRE FOR CONTINUING EDUCATION
INDIAN INSTITUTE OF SCIENCE
BANGALORE 560 012

CERTIFICATE

S. MURAVI KUMAR



has attended Short Term Course on

**"THE FINITE ELEMENT METHOD IN STRUCTURAL
DYNAMICS AND EARTHQUAKE ENGINEERING"**
CENTRE FOR CONTINUING EDUCATION
INDIAN INSTITUTE OF SCIENCE
(Sponsored by N.B.E. Govt. of India)

conducted during 4th - 9th December, 2006

COURSE-CONVENER

CHAIRMAN
CCE



CAD/CAM ENGINEERS

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Placement Consultancy

Regd. No. 41463/2003

CERTIFICATE

This is to Certify Mr / Ms : S.M. RAVI KUMAR

has undergone training in : ANSYS

with contents : Modelling, Structural, Fluidflow & Ansys Fea

From : July, 2005 to August, 2005.

His / Her Grade is : 'A+'

K. Maheshwara Reddy
Managing Director



GRADE PERCENTAGE

A++	Over 80%
A+	Over 70%
A	Over 60%
B	Over 50%

CAD/CAM ENGINEERS, MEHIDIPATNAM, HYD. PH: 55738956, 57.



CAD/CAM ENGINEERS

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Training

Development

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Regd. No. 41463/2003

CERTIFICATE

This is to Certify Mr / Ms : S.M. RAVI KUMAR

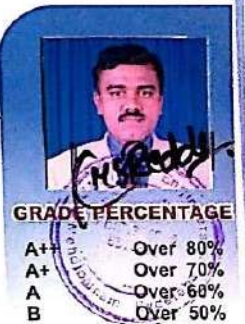
has undergone training in : UNIGRAPHICS

with contents : Sketcher, Part Modelling, Surfaces, Assembling, Drafting & Manufacturing

From : July, 2005 to August, 2005.

His / Her Grade is : 'A+'


K. Mageswara Reddy
Managing Director



GRADE PERCENTAGE	
A++	Over 80%
A+	Over 70%
A	Over 60%
B	Over 50%

CAD/CAM ENGINEERS, MEHIDIPATNAM, HYD. PH: 55738956, 57.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

HYDERABAD - 500 085, TELANGANA STATE, INDIA

TS 1437858



H.T No.: 0803PH1562

Mr. S M Ravi Kumar

S/o. S M Paramasivaiah

having fulfilled the academic requirements in *September - 2019*

has this day been admitted by the Executive Council to the Degree of

Doctor of Philosophy

Mechanical Engineering

Topic: "Optimisation of Process Parameters for Machining of GFRP Composites Using Taguchi Technique".

Given under the Seal of the University

Date: 16-10-2020



Hepramo

DIRECTOR OF EVALUATION

Quis



49114161666

Lgthp

VICE CHANCELLOR

PC No
319001340