

SWVSM's
**TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY,
WARANANAGAR**

(An Autonomous Institute affiliated to Shivaji University)

BOARD OF STUDIES

Term: 03 Years

Date of Initial Composition: 8th Feb 2021

Frequency: 01 Meeting /Semester

The functions of Board of Studies

- To prepare syllabi for various course keeping in view the objectives of the Institute, interest of stake holders and national requirement for consideration and approval of the Academic council.
- To suggest methodologies for innovative teaching and evaluation techniques.
- To suggest panel of names to the Academic Council for appointment of examiners
- To coordinate research, teaching, extension and other Academic activities in the department / Institute.

BOARD OF STUDIES- MECHANICAL DEPARTMENT

Sr. No.	Composition	Name & Affiliation	Nominated By	Remark
1.	Head of Department	Dr. P. V. Mulik	Principal	Chairman
2.	Member from Senior Faculty within Department (Entire Faculty of Each specialization)	Prof. G. S. Kamble	HoD/Chairman	Member
		Dr. M. S. Dhuttargaon		Member
		Dr. M. R. Jadhav		Member
		Dr. A. S. Todkar		Member
		Dr. P. J. Patil		Member
		Dr. N. S. Dharashivkar,		Member
		Prof. V. N. Mane		Member
3.	Two Subject Experts from outside the parent University	Dr. U. C. Kapale HOD, Sanjay Ghodawat University, Atigre	Academic Council	Member
		Dr. H. A. Mandave, HOD, KBP College of Engineering, Satara		Member
4.	One Expert from the panel of 6 recommended members by the College Principal	Dr. D. G. Thombare, RIT Sakharale	Vice Chancellor, Shivaji University, Kolhapur	Member
5.	One representative from Industry /Corporate sector/allied area related to the placement	Mr. Sanjay Khurd, Director, Weblin Engg. Kolhapur.	Principal/HoD/TPO	Member
		Dr. Sham Gurav, Founder and CEO, Epiphany Healthcare Innovations Pvt. Ltd. Sangli.		Member
6.	One UG and PG meritorious Alumnus	Mr. Prakash Patil, Head Application Engineering, Saint-Gobain Abrasives-Grindwell Norton Ltd. Pune.	Principal/HoD	Member
		Mr. Digvijay Patil, Sr. Executive, Thyssenkrupp Ind. Pune		Member
		Prof. R. T. Salunkhe.		Member of staff the same faculty

HoD

Contact Details of BoS Members**Department:-**

Sr. No.	Name of Member	Contact Details	Type of member
1	Dr. P. V. Mulik	pvmmech@tkietwarana.ac.in , 9403005960	Chairman
2	Prof. G. S. Kamble	gskmech@tkietwarana.ac.in , 9607363272	Member
3	Dr. M. S. Dhuttargaon	msdhuttargaon@tkietwarana.ac.in , 7028152715	Member
4	Dr. M. R. Jadhav	mrjadhav@tkietwarana.ac.in , 9730575257	Member
5	Dr. A. S. Todkar	astodkar@tkietwarana.ac.in , 9823114496	Member
6	Dr. P. J. Patil	pjpmech@tkietwarana.ac.in , 9011199655	Member
7	Dr. N. S. Dharashivkar,	nsdharashivkar@tkietwarana.ac.in , 8208127865	Member
8	Prof. V. N. Mane	vnmmech@tkietwarana.ac.in , 9823986596	Member
9	Dr. U. C. Kapale	uday_kapale@rediffmail.com , 7892625711	Member
10	Dr. H. A. Mandave,	hemant.mandave@kbpcoes.edu.in , 9881484959	Member
11	Dr. D. G. Thombare,	dhananjay.thombare@ritindia.edu , 9970700740	Member
12	Mr. Sanjay Khurd,	skg.wle@gmail.com , 8888853370	Member
13	Dr. Sham Gurav,	sham.gurav@ahduni.edu.in , 7089861174	Member
14	Mr. Prakash Patil,	Prakash.patil@saint-gobain.com , 98506 77375	Member
15	Mr. Digvijay Patil,	digvijay.patil19@gmail.com , 9881135859	Member
16	Prof. R. T. Salunkhe	rtsmech@tkietwarana.ac.in , 9423810276	Member

HoD

RESUME

Name : Dr. Uday Chandrashekhar Kapale
 Date of Birth : 09.08.1964
 Marital status : Married
 Address : Professor, Deptt. of Mechanical Engineering, SSET's
 S. G. Balekundri Institute of Technology, Belgaum – 10
 Phone : +91 8472 222634, +91 831 2407172
 Cell : +91 9480272708, +919767530057
 E-mail : uday_kapale@hotmail.com, uday_kapale@rediffmail.com



Education:

Degree	Specialization	Institute	Year of Award	Awarded class
Ph. D.	Heat Power (Heat Exchangers)	MNNIT, Allahabad	2007	----
M. E.	Thermal Power Engg.	PDACE, Gulbarga	1994	First class
B. E.	Mechanical Engg.	PDACE, Gulbarga	1988	First class

Publications:

1. Abhijit A. Patil, Uday C. Kapale, "An Energy Audit of Pharmaceutical Industry – A Case Study" research paper published in the proceeding of National Conference on Recent Practices in Conventional and Non-conventional Energy Resources (RPCNeR – 2013) held on 8th & 9th February 2013 at SSDCT's Sanjay Ghodawat Group of Institutions, Atigre.
2. Uday C. Kapale, Satish Chand, "Optimization of E type shell-and-tube heat exchanger", Proceedings on International Conference on "Thermal Energy and Environment (INCOTEE-2011)" March 24-26, 2011 Kalasalingam University, Anand Nagar, Krishnankoil Dist.: Virudhunagar, Tamilnadu, India presented and published.
3. Uday C. Kapale, Satish Chand, "Modeling of single phase shell-side fluid heat transfer coefficient in shell-and-tube heat exchanger", International Journal of Dynamics of Fluids, Volume 6, Number 1, (2010), pp. 1-15.
4. Uday C. Kapale, Satish Chand, "Modeling for shell-side pressure drop for liquid flow in shell-and-tube heat exchanger", International Journal of Heat and Mass Transfer, 49 (2006) 601-610.

Administrative responsibility:

Nature of work	Worked for	Years
Professor, Dean	SGBIT, Belgaum	June 2013 to till date
Professor, R & D Coordinator	SGI, Atigre	July 2012 to May 2013
Principal	HIT, Nidasoshi	April 2007-July 2012
Head, Mech. Engg. Dept.	HIT, Nidasoshi	1997-2003
Dean Academic	HIT, Nidasoshi	2000-2003
Established all the Mechanical Engg. laboratories	HIT, Nidasoshi	1997-2003
Workshop superintendent	REC, Bhalki	1995-1997

Professional Memberships:

Type of membership	Name of Society	Membership year
Life member	The Indian Society for Technical Education	1990
Associate Member	The Institution of Engineers	1997

Academic :

Subjects taught: Fluid Mechanics & Machines, Engineering Graphics, Elements of Mech. Engg., Engg. Thermodynamics, Manufacturing Science, Material science, Power Plant Engg., Turbo machines, Automobile Engg.

Guided for number of UG projects: 35

Experience	Organisation	Designation	Period	Total duration
Teaching	1. SGBIT, Belgaum	Professor	04.06.2013 to till date	8 days
	2. SGI, Atigre	Professor	10.07.2012 to 31.05.2013	11 months
	3. HIT, Nidasoshi	Principal	03.04.2007 to 07.07.2012	5 years 2 months
		Professor	03.04.2003 to 02.04.2007	4 years
		Associate Prof. & HoD	06.10.1997 to 02.04.2003	5 years 6 months
	4. REC, Bhalki	Assistant Prof.	01.09.1989 to 30.09.1997	8 years
Industrial	1. Kasco Sales & Services, Pune	Q. C. Engineer	03.01.1989 to 10.06.1989	6 months
	2. Techno Spark, Pune	Q. C. Engineer	02.07.1988 to 31.12.1988	6 months

Seminars/Workshops participated:

1. Conducted Orientation program on "Outcome Based Education and Accreditation" at SSDGCT's SGI, Atigre on 7th May 2013.
2. Participated in two days seminar on 'Understanding Jan-2013 Format of NBA' on 15th & 16th March 2013 at Walchand College of Engineering, Sangli.
3. Participated in Principal's meet conducted on 21st Feb. 2013 at Infosys, Pune under Campus Connect.
4. Co-convened a National conference on 'Recent Practices in Conventional & Non Conventional Energy Resources' (RPCNeR-2013) held on 8th & 9th February 2013 at SSDGCT's SGI, Atigre.
5. Participated in one day workshop on 'Industry Institute Interaction' at Genesis Institute of Technplogy, Kasarwada, Kolhapur organized on 20th December 2012.
6. Participated in Two-week ISTE workshop on Engineering Thermodynamics conducted by Indian Institute of Technology Bombay from 11th to 21st December 2012.
7. Academic leadership workshop 15th & 16th Sept. 2009 at Wipro, Bangalore under Mission 10X
8. Educators meet 15th Sept. 2009 at Wipro, Bangalore under Mission 10X
9. Recent Advances in Mech. Engg. Technologies, 9th to 11th May 2002 at Sir M. Visweswaraiiah Institute of Technology, Bangalore
10. Computations of Internal Flows, 11th to 16th June 2001 at I.I.T. Madras, Chennai
11. Non-Conventional Energy Resources, 9th & 10th April 1999 at G.I.T., Belgaum
12. Computer Graphics & its Applications, 6th & 7th Nov. 1998 at K.L.E.S's College of Engg. & Tech., Belgaum
13. Electronic Design & Product Development, 14th & 15th Sept. 1990 at P.D.A. College of Engg., Gulbarga

Examiner, paper setter and valuator for UG, PG, and Ph. D. courses and BOE member of Visweswariah Technological University, Belgaum.

Worked as Judge and Technical advisory committee member for State Level project Exhibition and competition for Engg. students held at Malnad college of Engg., Hassan on 22nd, 23rd & 24th May 2009.

Consultation for design of Heat Exchangers:

Positron Engineering Corporation # 42, Machhe, Ind. Estate, Machhe, Belgaum - 590 014

Number of candidates guiding for Ph. D. : Four

Bio-data

Dr. Hemant Anandrao Mandave

Associate Professor in Mechanical Engineering,
Karmaveer Bhaurao Patil College of Engineering, Satara

Contact Details – hemant.mandave@kbpcoes.edu.in; Mobile- 9881484959, 8600004945

Educational Qualification:

Sr. No.	Degree	University	Year of passing	Class/Division
1	B.E. (Mechanical)	Shivaji University, Kolhapur	1985	First with Distinction
2	M.E. (Mechanical- Production)	Shivaji University, Kolhapur	1993	First
3	Ph.D. (Mechanical Engineering)	Shivaji University, Kolhapur	2012	Some studies on quality management approach for mechanical engineering small scale industries in India

Professional Experience

1 year (August 1985 to August 1986); Ghatge Patil Industries Ltd., Kolhapur

Teaching Experience

34 years 8 months: K.B.P. College of Engineering, Satara

Recognised post graduate teacher in M.E. (Mechanical-Production Engineering) –Shivaji University, Kolhapur

Subjects Taught

Metrology and Quality Control, Total Quality Management, Process Engineering, Marketing Management, Industrial Management and Operations Research, Production Processes, Design of Experiments and Research Methodology, Material science and metallurgy, etc.

Salient contributions/roles

1. Worked as In-charge Principal, Vice Principal (Academics), Head of the department and Training and placement officer in K.B.P. College of Engineering, Satara
2. Published 20 papers in International/National journals and conferences
3. Worked as Member of advisory board & session chair for National and International symposium and conferences in Engineering and Technology
4. Member – Board of Governance; K.B.P. College of Engineering, Satara.
5. Formerly Chairman of Board of studies in Mechanical and Automation Engineering – Shivaji University
6. Formerly member of Board of Studies in Mechanical Engineering and board of studies in Production Engineering of Shivaji university & Solapur University
7. Worked as chairman and member on various committees appointed by Shivaji University
8. Organised number of workshops and short term courses.
9. Successfully guided and completed more than 60 industry sponsored projects. Many have won prizes at national level competitions.
10. Delivered invited lectures on various topics related with engineering and management.
11. Member of Indian Institute of Materials management and ISTE.

RESUME

Name & Designation **Dr. Dhananjay Ganpati Thombare**
Professor,
Dept. of Automobile Engg.
Rajarambapu Institute of Technology,
Date of Birth : 6th Feb. 1968
Email: dgtrit@yahoo.co.in; dgtrit@gmail.com, Ph.
Mobile 91 99 700 700 740



<https://www.ritindia.edu/Automobile/index.php/component/k2/item/25-dr-d-g-thombare>
<https://www.linkedin.com/in/dr-dhananjay-thombare-80968a34/?trk=public-profile-join-page>

- Member, BOS in Mechanical Engineering, Shivaji University, Kolhapur
- Former Dean, Student Development & Principal, Polytechnic, RIT
- Former Chairman, BOS in Auto. Engg., Shivaji University, Kolhapur.
- Former Member, Academic Council, Shivaji University, Kolhapur.
- Former Head, Dept. of Automobile Engineering, RIT

Educational Qualification

B. E. Auto. Engg., **M. E.** Mech. Engg. (Heat Power), **Ph D** Mech. Engg.

Countries Visited

Germany, Switzerland, Austria, France, China, Thailand, Ethiopia, Ghana, Singapore, UAE,

Awards and achievements

- 1) Listed in Who's Who Scientist List for 2014
- 2) Best Teacher Award at institute level.
- 3) Gold medal on Case study presentation at ICQCC at Beijing, China in Oct. 2007
- 4) Best Teacher Award by Giants Group for 2013
- 5) Institute level Performance Awards for year 2007-08, 2008-09, 2009-10, as Head, Automobile Engg. Dept., and for 2011-12, 2012-13, 2013-14, 2014-15 as Dean.

Publications - Total Papers - 63

- | | | |
|------------------------------|----|-------------------------------|
| 1) Book Chapter | 01 | |
| 2) International Journal | 23 | (h index journal papers – 08) |
| 3) National Journal | 03 | |
| 4) International Conferences | 22 | (Outside India – 02) |
| 5) National Conferences | 17 | |

(Google Scholar citation Index - 715)

<https://scholar.google.co.in/citations?user=-QddqS4AAAAAJ&hl=en>

<https://www.mendeley.com/profiles/dr-dhananjay-thombare/stats/>

Patent Title of Invention: **Continuously Variable Length Circular Intake Manifold System**, Application No. 201621034077, C.B.R.No. 28236

Teaching Experience 30 Years at UG and 25 years at PG level

Major Products Developed

Dual Fuel (Ethanol-Diesel) HCCI Engine
Biomass Stirling Engine
Continuously Variable Length Circular Intake Manifold System
Bio Gas plant for kitchen waste
Battery operated electric moped and light motor vehicle for local transport

Administrative Experience

- Dean, Student Development, RIT for 5 years.
- Head of the Department, Automobile Engg. Dept. for 5 years.
(Preparation of the department for NBA, in 2003 and for reaccreditation in 2007)
- Principal, Polytechnic Wing, RIT for 4 years.
- Vice Principal, Degree Wing, RIT for 1 year.
- Head of the Department, First Year Engg. Dept. (Sci. & Hum.) for 3.5 years.

Research / Review Experience

Member of Editorial Board

- Journal of Automotive and Applied Mechanics, Scientific Journals Publisher, Islamic Azad University, Iran
- International Journal of Energy and Power Engineering, Science PG.

Reviewer for

- **International Journal of Applied Energy**, Elsevier under Science Direct.
- **Journal of Applied Mechanical Engineering**, OMICS Publishing Group
- **Environmental Engineering and Management Journal**
Gheorghe Asachi Technical University of Iasi
- **Applied Energy**, Journal published by Elsevier under Science Direct.
- **American Journal of Energy Engineering**
- **International Journal of Energy and Power Engineering**,
Science Publishing Group
- **Journal of Automobile Engineering and Application**
- **International Journal of Sustainable Energy**, Taylor & Francis
- **Journal of Automotive and Applied Mechanics**,
Scientific Journals Publisher, Islamic Azad University, Iran

Area of Interest: Internal Combustion Engines, Non Conventional Engines, Automobile Engineering, Energy Resource Tech., Entrepreneurship Development, Engineering Education,

Member, Organising Committee

- First International Conference on Advances in Renewable and Sustainable Energies, BIOGREEN 2010, March 7-13, 2010 - Cancun, Mexico
- Convener, First National Conference for PG Students 2015, organized by RIT
- National Conference on Recent Innovation in Mechanical Engineering, Organised by TKIET, Warnanagar during 24th -25th March, 2018

Post Graduate Teacher

Post Graduate Teacher for M. E. Mechanical & M. E. Automobile recognized by Shivaji University, Kolhapur

Membership of Professional Bodies

- 1) Fellow, Institution of Engineers (India) (F113884-3)
- 2) Society of Automotive Engineers, Life Member (SAE-7009510096)
- 3) International Association of Engineers, Life Member (IAEng 123436)
- 4) International Society for Research and Development (ISR-D-SR4150900198)
- 5) Combustion Institution (USA) Indian Section, Life Member (LMC/849)
- 6) Indian Society of Mechanical Engineers, Life Member (ISME)
- 7) Indian Society for Technical Education, Life Member (LM 16206)
- 8) Indian Society for Training & Development (T/199/95)
- 9) Indian Institution of Production Engineers, Life Member
- 10) Solar Energy Society of India, Life Member (0969/LM/2001)

Fellowship of Academic bodies

- 1) Institution of Engineers (India) (F113884-3)
- 2) Ex. Member, Academic Council, Faculty of Engineering, Shivaji University, Kolhapur

Seminar / Workshop / Conference Organized

A) National Workshops for faculty

- a) One week *ISTE approved STTP on Engine and Vehicle Development.*
- b) One Week *TEQIP Sponsored Program Workshop on Finite Element Analysis.*
- c) Three Day *TEQIP Sponsored Program on Emission Control.*
- d) Two Week *DST Sponsored Program Faculty Development Program on Entrepreneurship.*
- e) Three Day Faculty Training Program on **Pedagogy** at RIT.

B) Program / Workshops for Students

- a) 2 Programs on **Entrepreneurship Development** for student
- b) 7 Programs on **Entrepreneurship Awareness** for student

- c) Quantum 2006, 2011, 2013, 2014, 2015 - A National Level Technical Symposium
- d) Carrier Guidance Program for 12th Science Students
- a) Khymera 2008, 2009, 2010 - **Automotive Talent Show** , *SAE Sponsored Program*

Resource Person

- 1) Speaker for FDP at Sanjay Ghodawat University, Kolhapur for Active Learning.
- 2) Speaker for ISTE sponsored STTP on I C Engine and Fuels at Vidarbha Youth Welfare Society's Prof. Ram Meghe Institute of Technology & Research, Badnera
- 3) Key note speaker at National Conference on Innovation in Mechanical Engineering organized by TKIET Warananagar
- 4) Resource person for Industry Institute Interaction at TKIET Warananagar
- 5) Resource person for Train the Trainers Workshop for Avishkar Research Competition organized by Shivaji University and Willingdon College, Sangli on 24th Nov. 2017
- 6) 3 day Orientation Workshop for Faculty on 'Planning and Conducing practicals Effectively', under TEQIP at Rajarambapu Institute of Technology, Rajaramnagar on 5th October, 2013
- 7) FDP on Recent Trends in Automotive Engineering at PSPS's Rajendra Mane College of Engineering & Technology, Ambav (Devrukh) on 27th - 29th Dec, 2011
- 8) FDP on Heat Exchangers at Govt. College of Engineering, Karad on 21st, Dec., 2009
- 9) ISTE sponsored FDP on Pedagogy at Sanjay Bhokare Group of Institutes, Miraj
- 10) Technical Teachers Training Programme at L. K. Highschool, Palus
- 11) Entrepreneurship Development Programme of District Industries Centre
- 12) Entrepreneurship Development Programme of Maharashtra Centre for Entrepreneurship Development.
- 13) For UG course at SSVES College of Engineering, Pandharpur
- 14) For PG course in Mech Engg. (Power Group) at Govt. College of Engineering, Karad

Research projects completed

- 1) *Design and development of tyre testing facility*, Institute funded project in 2012-13 for Rs. 45000/-
- 2) *Analysis of effect of working fluid characteristics on Stirling engine performance*, A TEQIP funded project in 2013-14 for Rs. 50000/-
- 3) *Theoretical and experimental evaluation of performance of Dual Fuel Homogenous Charge Compression Ignition engine*, A TEQIP funded project in 2015-16 for Rs. 75000/-

Papers Published in International Journal, International & National Conferences

A) Books / Chapter Published

- 1) '*Computational analysis of intake manifold design variants on induction swirl of single cylinder diesel engine*' Lecture series in Mechanical Engineering published by Springer Science Business Media, ISSN 2195-4356, 2195-4364, SCImago Journal Rank (SJR) 0.139, H Index - 12, Impact Factor – 0.37,

B) International Journal

- 1) '*Assessing the Effectiveness of a Hybrid PPBL Model of Delivering Workshop Practice Course for the First-Year Engineering Students*' Journal of Engineering Education Transformations, Volume 33, January 2020, Special issue, eISSN 2394-1707, pp. 510-515 DOI: <http://dx.doi.org/10.16920/jeet%2F2020%2Fv33i0%2F150105>
- 2) '*Computational and Experimental Analysis of Head Injury Criteria (HIC) in Frontal Collision of Car with Pedestrian*', SAE Paper No. 2019-26-0016, Published on 09 Jan 2019 <https://doi.org/10.4271/2019-26-0016>.
- 3) '*Analysis of Effect of Tire Inflation Pressure, Inflation Fluids, Load and Speed on Tire Performance*'. SAE Paper No. 2019-26-0368, Published on 09 Jan 2019 <https://doi.org/10.4271/2019-26-0368>.
- 4) '*Thermo-fluidic Performance Evaluation of Heater of Stirling Engine to Generate Power from Waste*' Energy Procedia 2016, Elsevier Publication, ISSN: 1876-6102, Dec 2016, pp 14-20.
- 5) '*Performance and emission Analysis of four stroke single cylinder diesel engine operated on cotton seed oil methyl ester*' International Journal of Automobile Engineering and Application, May 2016, Vol. 3, Issue 1, pp. 1-10
- 6) '*Modeling and Simulation of Methanol and Diesel Fuelled HCCI Engine for Improved Performance and Emission Characteristics*' International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064, Volume 5 Issue 6, June 2016, pp. 112-115
- 7) '*Experimental investigation of effect of lubricant viscosity on vibrations of plain hydrodynamic journal bearing system*'. International Journal for Research & Development in Technology, Vol. 3, Issue 4, April 2015, pp.31-36
- 8) '*Personality mapping of entry level engineering students for assessment of engineering competencies.*' Journal of Engineering Education Transformations JEET, Volume 28 , No.2 & 3 , Oct. 2014 & Jan. 2015 , ISSN 2349-2473
- 9) '*Experimental Investigation of Pulsating Flow Through Bio Mass Stirling Engine Heater*' International Journal of Energy Research, Article No. ER-14-4922, ISSN: 0363-907X, Vol. August 2014, pp 1-13

- 10) **'On the Calculation of Dynamic coefficients of Plain Journal Bearings for various lubricating oils'**, International Journal of Engineering Sciences Research, June 2014, Volume 5,
- 11) **'Finite element method for stress analysis of passenger car floor'**, International Journal of Engineering Research and Applications, Vol. 4, Issue 4 (Version 8), April 2014, pp.38-42
http://www.ijera.com/papers/Vol4_issue4/Version%208/1044083842.pdf
- 12) **'Review of exhaust gas recovery for I C Engine'**, International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 12, June 2013, pp 93-100
http://ijeit.com/vol%202/Issue%2012/IJEIT1412201306_18.pdf
- 13) **'CFD Simulation of Stirling Engine Heater'** International Journal of Engineering & Science Research, IJESR, May 2013, Vol-3, Issue-5, 3077-3084
http://ijesr.org/admin/upload_journal/journal_Shitalkumar__19oLmay13esr.pdf
- 14) **'Parametric study and experimental evaluation of vehicle tire performance'** International Journal of Mechanical Engineering and Robotics Research, Volume 2, No. 2, April 2013, pp – 221-231
<http://www.ijmerr.com/currentissue.php>
- 15) **'An Overview of Radiator Performance Evaluation and Testing'** IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), ISSN: 2278-1684, pp. 07-14
www.iosrjournals.org
- 16) **'Design of SPM for Automatic N2 Gas filling into shock Absorber'** Quest Journal of Civil Engineering and Architecture ,Volume 1, Issue 1, January. 2013, PP 26-30
www.questjournals.org
- 17) **'Theoretical and Experimental Investigation of Alfa Type Stirling Engine with Effect of Regenerator Effectiveness, Heat Transfer & Properties of Working Fluid'** American Institute of Physics, International Journal of Renewable and Sustainable Energy, Vol.4, Issue 4, August, 2012, pp 26-39, ISSN No. 1941-7012
<http://jrse.aip.org/resource/1/jrsebh/v4/i4&page=2>
- 18) **'Air intake system optimization for acoustic advantage on automotive vehicles'** SAE Paper No. 2010-01-1985, International journal of Commercial vehicles, 3(1), December, 2010
paper.sae.org/2010-01-1985
- 19) **'A Practical Approach towards Muffler design, development and prototype validation'** SAE Paper No. 2010-032-0021, Dec. 2010
<http://papers.sae.org/2010-32-0021>
- 20) **'An Intake System Optimisation for Acoustic Advantage on Automotive Engines'** SAE International Journal of Commercial vehicles, Vol. 3, 2010, pp. 221-229
- 21) **'Stirling Engine : Micro-CHP System for Residential Application'** Encyclopedia of Materials : Science and Technology, Pergamon-Elsevier publication, ISBN No. 0-08-04315-6, Article No. 02194, 2009, pp 1-9
<http://www.sciencedirect.com/science/article/pii/B9780080431529021941>

<http://dx.doi.org/10.1016/B978-008043152-9.02194-1>.

- 22) **'Technology Development in Stirling Cycle Engines'** Science Direct International Journal of Renewable and Sustainable Energy Reviews, Elsevier publication, Vol. 12, 2008, pp 1-38

<https://doi.org/10.1016/j.rser.2006.07.001>

C) National Journal

- 1) **'Data Logger and Control Strategy for Automatic Gearshift Control for Two-Wheeler'** Proceedings of 4th RIT Post Graduates Conference (RIT PG Con-18) NOVATEUR PUBLICATIONS JournalNX- A Multidisciplinary Peer Reviewed Journal (ISSN No:2581-4230) April, 13th, 2018
- 2) **'The importance and need of Universal Human Values in Engineering Student's Life'** Journal 'The Compass' Volume 10, NO. 1, Part 2, November 2016, pp 102 - 105
- 3) **'Positive influence, of Association of Technical Student Organizations with Professional Bodies, on Academics: A Case Study of SAE RIT'** Indian Journal of technical education, Vol. 1, 2011, pp 67-75

D) International Conferences

- 1) **'Computational and Experimental Analysis of Head Injury Criteria (HIC) in Frontal Collision of Car with Pedestrian'**, Symposium of International Automotive Technology, SIAT 2019, held on 14th -17th Jan 2019 at Pune.
- 2) **'Analysis of Effect of Tire Inflation Pressure, Inflation Fluids, Load and Speed on Tire Performance'**. Symposium of International Automotive Technology, SIAT 2019, held on 14th -17th Jan 2019 at Pune.
- 3) **'Effective implementation of induction program for first year under graduate Engineering students and assessment of achievements of the objectives'** The Sixth International Conference on Transformations in Engineering Education 2019, Held at Mall Reddy Engineering College, Hyderabad, during 7th -8th January, 2019
- 4) **'A shift towards cooperative learning for Engineering Physics laboratory for meaningful learning of students.'** The Sixth International Conference on Transformations in Engineering Education 2019, Held at Mall Reddy Engineering College, Hyderabad, during 7th -8th January, 2019
- 5) **'An integrated approach of project and product based learning (PPBL) for engineering Workshop Practice course'**. The Sixth International Conference on Transformations in Engineering Education 2019, Held at Mall Reddy Engineering College, Hyderabad, during 7th -8th January, 2019
- 6) **'Design and development of Automated Manual Transmission (AMT) system for smooth gear shifting in two wheeler'** FISITA World Automotive Congress, Organised by FISITA and SAEINDIA at Chennai Trade Centre, Chennai, TN on 2nd-5th. October, 2018

- 7) **'A novel approach towards first year engineering Workshop Practice course with the combination of project and product based learning (PPBL)'** International Conference on Transformations in Engineering Education Organised by IUCEE at Bennet University, Noida, UP on 5th -7th January, 2018
- 8) **'Municipal Solid Waste Management for Smart Indian Cities'** In proceedings of International Conference on Development of Smart Cities, Bangalore, India, Sept. 9-10, 2016
- 9) **'Thermo-fluidic Performance Evaluation of Heater of Stirling Engine to Generate Power from Waste'** In proceedings of 8th International Conference on Applied Energy – ICAE2016, Oct. 2016
- 10) **'The importance and need of Universal Human Values in Engineering Student's Life'** 1st International Conference on Universal Human Values, Pachgani, india, 11-12 June, 2016
- 11) **'Experimental and Finite Element Stress Analysis of Three Wheeler Front Fender'** In proceedings of 3rd International Conference on Mechanical and Electrical Technology (ICMET 2011), Dalian, China, August 26-27, 2011, pp 453-458
- 12) **'An Overview of Radiator Performance Evaluation and Testing'** Second International Conference on Emerging Trends in engineering (SICETE), Dr. J.J. Magdum College of Engineering, Jaysingpur, 22-23 Feb., 2013 www.iosrjournals.org
- 13) **'A Practical Approach towards Muffler Design, Development and Prototype Validation'**, SAE Small Engine Technology Conference SETC 2010, September 28-30, 2010, Johannes Kepler University, Linz, Austria. (URL-
<http://www.sae.org/events/set/eventguide.pdf>)
- 14) **'Design, development and evaluation of performance of Stirling engine based residential combined heat and power plant.** International conference on Energy and Environment organized by National institute of Technology, Kurukshetra, 19 -21 March, 2009
- 15) **'Poor response of students to study type experiment'** International Convention on Quality Control Circles, Organised by Beijing China
- 16) **'Developing a generalized modular modeling structure for dynamic engine simulation'** International Conference on Stirling cycle engines, Organised by Ecos, GmbH, Westerbreite, Osnabrueck, Germany, 26-27 Sept, 2006.
- 17) **'Heat Transfer prediction in a regenerator, heater and cooler of a Stirling Cycle Engine'** International Conference on Recent advances in Heat Transfer organized by Karunya Institute of Technology and Science, Coimbatore, 21-22 Sept, 2006
- 18) **'Design and Development of Sterling cycle engine for power generation from waste'** 22nd International Conference on CAD/CAM, Robotics and Factories of the Future (CARS & FOF-2006) organized by Vellore Institute of Technology, Vellore & International Society for Productivity Enhancement, 19 -22 July, 2006.

- 19) **'An assessment of capacity of Stirling cycle engine for solar power generation operation'** International Conference on Resource Utilisation and Intelligent Systems (INCRUIS 2006) Kognu Engineering College, Perundurai, Erode, 4-6 January, 2006
- 20) **'Fuel Cell Technology– A Future Renewable Energy Source'** In proceedings of Fourth International R & D Conference, Central Board Of Irrigation And Power, Aurangabad, 28-31, January 2003, pp CP 3-10
- 21) **'Dynamic online transmission loss minimization'** In proceedings of Fourth International R & D Conference, Central Board Of Irrigation And Power, Aurangabad, 28-31, January 2003, pp CP 11-16

E) National Conferences

- 1) **'Design of Data Collection system for two-wheeler and generation of shift schedule for a two-wheeler.** Proceedings of National Conference for Engineering Post Graduates RIT NConPG – 18 on 13th April, 2018
- 2) **'Design and Development of an ECU with Open Loop Feedback System for Homogenous Charge Compression Ignition(HCCI) Engine'**, Proceedings of 5th National Conference on "Innovations in Mechanical Engineering", at SIT, Lonavala on 07-09th April 2017 ID: TH-NCIME17-135
- 3) **'Analysis of Effect of Expansion Chamber & Muffler Geometry of Engine Exhaust System on Engine Noise'** Proceedings of National Conference for Engineering Post Graduates RIT NConPG – 15. ISBN-13:978-1512094169, page 32-37
- 4) **'Simulation of HCCI Engine for Performance Optimization'** Proceedings of National Conference for Engineering Post Graduates RIT NConPG – 15. ISBN-13:978-1512094169, page 27-31
- 5) **'Theoretical Analysis of Effect of Regenerator Geometry and Material on Stirling Engine Performance'** In proceedings of First National P. G. Conference RIT NConPG 2015, 1-2 June, 2015
- 6) **'Design of Stirling cycle engine for optimum performance'** National Conference on Recent Developments in Mechanical Engineering (YANTRA 2005) College of Engineering, Pandharpur, December 23-24, 2005
- 7) **'Modeling of Stirling cycle engine'** Conference on Recent Trends in Mechanical Engineering 04, Organized by SRES, College of Engineering, Kopergaonm on 23-24 July, 2004
- 8) **'Optimisation of engine geometry for Stirling cycle engine'** National Conference on Recent Advances in CAD/CAM/CAE 04, Organized by Rajarambapu Institute of Technology. Rajaramnagar on 21-23 June, 2004

- 9) **'Modeling and performance analysis of free piston Stirling Cycle Engine'** Conference on Recent Advances in mechanical Engineering RAME 04, Organized by Dr. K. K. Wagh College of Engineering, Nasik scheduled on January 16-17, 2004
- 10) **'Performance analysis of Stirling Cycle Engine Regenerators'** Indian Society of Mechanical Engineers (ISME) Conference, Organized by Department of Mechanical & Industrial Engineering, Indian Institute of Technology, Roorkee, on Dec 30-31, 2003
- 11) **'Experimental optimization of PSZ coating thickness on engine components of single cylinder diesel engine'** 17th National Conference on I C Engines and Combustion Organised by Combustion Institute and College of Engineering Tiruanantpuram on 14-17 Dec 2003.
- 12) **'Experimental Investigation of Performance of Diesel Engine with Ceramic Coated Engine Components'** NCECM 2001 Organised by Rajarambapu Institute of Technology, Rajaramnagar, 2001
- 13) **'Rural Development through Village Adoption by Technical Institution'** State Convention of Indian Society for Technical Education Maharashtra Section held at Sant Shree Gajanan Maharaj College of Engineering, Shegaon on 21st & 22nd Dec 2002.
- 14) **'Demand Supply Trend in Two Wheeler Indian Market: A Case Study'** NSMTA-1st & 2nd August 2002 Organised by RIT, Rajaramnagar
- 15) **'Hydrogen Fuel Cell Vehicles'** National Conference on Modern Trends in Automobile Engineering 1st & 2nd August 2002 at RIT, Rajaramnagar.
- 16) **'Battery Operated Vehicle'** National Conference on Energy Conservations & Management 2001 Organised by RIT, Rajaramnagar.
- 17) **'Alternative Fuels – Scope for the Future'** 15th National Conference on I. C. Engines and Combustion'. During 17-19 Dec 1997 Organised by Anna University, Chennai



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Inbox 8,528

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Important

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Meet

New meeting

My meetings

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Shalish Patil

Regarding Invitation for Board of Studies

Inbox x



Head, Department of Mechanical Engineering

Respected Dr. A. A. Deshpande, TKIET is committed to achieve excellence in academics through technical education programs. To achieve this go

Tue, Nov 3, 9:40 PM (2)



Amit Deshpande
to me

Wed, Nov 4, 3:17 AM (1 day ago)

Respected Dr. Todkar,

I am very happy and excited to be a part of the board of studies for the mechanical engineering department at TKIET.

Looking forward to making meaningful contributions.

Thank you very much. Please consider my reply as my consent to be a part of BOS.

Thanks

Dr. Amit Deshpande

शुभ, ४, नोव्हें २०२० रोजी ११:१० म. पु. वाजता रोजी Head, Department of Mechanical Engineering नी <hodmech@tkietwarana.ac.in> लिहिले:

Sr	Name	Mr Sanjay Kashinath Khurd
1	DOB	03-02-1969
2	Qualification	DME, BE Mech.
3	Address	102, Icon Tower , Nr Vivekananda Collage , Nagala Park, Kolhapur-416003 Contact-88888 53370
3	Work Experience	<ol style="list-style-type: none"> 1. From 1990 to 2000 worked as Senior R&D Engineer in Manugraph industries Ltd. 2. From 2000 stated own Business for providing Product and Services and Consultancy to the News Paper Presses in India. 3. Since then continued the same Business and Field and developed and installed Products related to the Newspaper Industries. 4. And established brand named "WEBLINE"

CURRICULUM VITAE

Digvijay Patil
Design Engineer (Manager – ~11 Yrs. Exp)

Email: digvijay.patil19@gmail.com
Mob.No:+91-9881135859



Career Summary

Expertise in design & development of bulk material handling & unloading equipments for coal handling plants, steel plants, cement plants etc. Engineering support for rejuvenation and modernization of bulk material handling & mining equipments.

Career Objective

Dedicated & disciplined professional, seeking the right & responsible position in the area of **Mechanical Design & Engineering**, to contribute to the **company's growth** & in turn ensuring personal growth within the organisation. I believe that my technical, functional & communication skills will enable me in facing challenging career ahead.

Professional Experience

Company Name : **thyssenkrupp Industries India**
Company Profile : Undertaking Turnkey EPC Projects in **Bulk Material handling**, Sugar Plants & Machinery, Cement Plants & Machinery, Boiler & Power Plants
Work Experience : From 07.06.2010 till date
Role : Design Engineer
Designation : Manager

Technical Specialization

Domain	<ul style="list-style-type: none">• Design of heavy equipments for coal handling & mineral processing plants• New Product Development• Equipment Optimisation, Finite Element Analysis• Layout Engineering & Calculations• Bought Out items Engineering• Engineering Interface with Structural, Civil, E&I, Customer• Development of critical hydraulic circuits for material handling equipment• Equipment Commissioning• Rejuvenation and modernization of material handling & mining equipments• Proposal engineering
CAD & Tools	<ul style="list-style-type: none">• Autocad• Inventor• MS Excel, MS Word, MS Power Point• Mathcad• SAP
Operating Systems	<ul style="list-style-type: none">• Windows 10
Key Skills	<ul style="list-style-type: none">• Strong technical & analytical skills• Effective problem solver & a good team player• Ability to work independently as well as to handle a team under work pressure & stringent timelines.• Conceptualization & development of new mechanisms & arrangements.• Effective resource utilisation & planning.• Project schedules, planning & execution.

Educational Qualifications:

University / Institute	Qualification	Year of Passing	Percentage / Grade
Rajarshi Shahu College of Engg. (Savitribai Phule Pune University, Pune)	M.E. (Design Engineering)	2018	7.65 / 10
Tatyasaheb Kore Institute of Engg. & Tech. (Shivaji University, Kolhapur)	B.E. (Mechanical Engineering)	2010	73.5 / 100
Vivekanand College, Kolhapur	H.S.C.	2006	86.17 / 100
B. P. Patil High School, Shirol, Kolhapur	S.S.C.	2004	88.13 / 100

Passport Details

Passport No.	Place of Issue	Issue Date	Valid Up to
K6818694	PUNE	09.01.2013	08.01.2023

Design & Engineering Related Experience

- Qualifications include ~11 years of experience in **Design & Engineering** at **thyssenkrupp Industries India**.
- **Design & Development** of various bulk material handling equipments like **rotary & side discharge wagon tippers, side arm chargers & indexers, wagon shifters & pushers, belt conveyors** & associated equipments working at wagon unloading stations in power plants, steel plants, cement plants and any other mineral processing plants.
- **Equipment GA & detail engineering**, civil assignment & load data drawings for equipments, conveyor systems GA, Layouts and Detail engineering.
- **Proposal engineering & detail engineering of Rejuvenation and Modernization** solutions in bulk material handling & mining equipments.
- Actively involved in **Equipment Development, Optimization & Continual improvement process**.
- Inputs for **FEA** of equipments, **review FEA reports**, suggestions for **improvement & optimization, implementation in actual design** based on final report.
- Good insight & **knowhow of Industrial Hydraulic Systems** - Open loop and Close loop including Integral control.
- **Hydraulic components selection**.
- **Development** of wagon tippler complex & transfer tower **Layouts**.
- Preparation & checking **manufacturing drawings** of **structural & machined components**.
- Equipments **cycle time & power calculations**, conveyor power & tension calculations, **Hydraulic / Electromechanical drive selection, Load data calculations** etc.
- **Mechanical Component Calculations** – shafts, pins, beams, gears, keys, splines, couplings, springs, buffers, bolted & welded joints, bearing selection etc.
- Good knowledge of various **materials** used for structures & mechanical components – plates, castings, forgings etc.
- Good knowledge of **Geometric Dimensioning & Tolerances**
- **Bought components** specifications, technical offer evaluation & post order correspondence including drawing review and approvals from customer as well as to vendors. BOHT components include –
 - **Rotary Drive & Linear Actuator hydraulic systems**, including systems using close loop position feedback & control.
 - Electromechanical drive components like **coupling, brake, gearbox & electric motor**.
 - **Lubrication** systems.
 - **Integral & in motion Weighing systems**.

- Hydraulic buffers.
- Components in conveying systems.
- **Project execution activities** - GA & Detail drawings, schedules, specifications, electrical load list, interdepartmental co-ordination, customer interaction, drawing approvals, review civil drawings, site correspondence etc.
- Preparing **equipment operational control philosophy**, correspondence with electrical and instrumentation team, involved in **field instruments selection, operational & control logic building and testing with PLC team.**
- **Key member of Commissioning Team** of equipments – carried out **No load & load trials, Performance Guarantee tests** etc. at various sites.
- Preparing equipment **Erection manuals**, Hydraulic piping layouts, and **Operation & Maintenance manuals.**
- Correspondence with civil, structural dept. & drawing review.
- **Technical support to manufacturing, procurement, subcontract, quality, site services, after sales & revamp services.**
- Preparation of **material estimates & support to proposal engineering & marketing department** in the view of customer requirements for bulk material handling equipments.
- Understanding customer requirements & **Deliver to customer satisfaction.**
- Basic knowledge of stockyard machines, bucket wheel excavators, port unloading facilities, feeders, crushers & screens etc.

Projects Handled

Doosan Obra & Jawaharpur, BHEL Panki, NTPC Ramagundam, Penna Cement Krishnapatnam & Patas, Emami Cement Panagarh & Jajpur, NTPC Talcher, Tata Steel KPO, Rayalseema, Shirpur, UTCL Nagpur & Jhajjar, SEW Vishakhapatnam, JK Cement Mangrol & Jhajjar, Ambuja Cement Rabriyawas, Anpara D TPP, GMR Kamalanga, Lapanga, Facor Power etc. Brief details of recent projects are included hereunder,

Period	Organization	Role
Oct 2017 to Dec 2020	thyssenkrupp Industries India	Lead Design Engineer
Project Name:	DOOSAN OBRA & JAWAHARPUR CHP	
Client:	Doosan Power Systems India, UPRVUNL, NTPC	
Project Scope:	Complete coal handling package including wagon unloading facilities having requirement of 4 Nos. Twin Rotary Wagon Tipplers , hoppers, belt conveyors, stockyard machines, crusher house, bunker conveyors, travelling trippers etc.	

Period	Organization	Role
Nov16 to Mar18	thyssenkrupp Industries India	Lead Design Engineer
Project Name:	TATA PROJECTS NTPC TELANGANA, RAMAGUNDAM TPP	
Client:	Tata Project Ltd., NTPC	
Project Scope:	Equipment package for coal handling plant at Ramagundam TPP. Includes wagon unloading facilities having requirement of 3 Nos. Side Discharge Wagon Tipplers , apron feeders, paddle feeders, stacker reclaimers, crushing & screening equipments etc.	

Special Activities Involved

- Development of India's first Twin Rotary Wagon Tippler under the guidance & basic engineering by thyssenkrupp Rohrbach, Germany for Tata Steel KPO project.
- Development of Side discharge Wagon Tippler as per RDSO G-33 Rev-1 guidelines for Anpara D TPP.
- Development of Side arm charger for 50 Ton, 60 Ton & 33 Ton pull requirement for Anpara, UTCL & Talcher projects respectively.
- Development of Transfer cars with 11m & 16m rail CRS for JK & UTCL projects respectively.
- Development of Puller cum pusher with 1 no. & 2 nos. hydraulic drives for JK & UTCL projects respectively.
- Development of hydraulic circuits for material handling equipments with various hydraulic suppliers.
- Weight optimization for Side Discharge Wagon Tippler for NTPC Ramagundam project
- Weight & Power optimization & development of Twin Rotary Wagon Tippler for Doosan Obra & Jawaharpur projects.
- Commissioning of Rotary Wagon Tipplers, Side discharge tipplers, transfer cars etc.

Publications

- Mr. Digvijay S. Patil¹, Mr. Shailesh S. Pimpale², "Design & Analysis of the Side arm of the two drive Side arm charger for heavy load"; International Journal of Science and Research (IJSR), Volume 7, Issue 8, Aug 2018, ISSN (Online): 2319-7064
- Mr. Digvijay S. Patil¹, Mr. Shailesh S. Pimpale², "Design & Analysis of the Side arm of the two drive Side arm charger for heavy load"; International Research Journal of Engineering and Technology (IRJET), Volume 5, Issue 8, Aug 2018, e-ISSN: 2395-0056.

Personal Details:

- **Full Name** : Digvijay Shridhar Patil
- **D.O.B** : 19th Feb, 1989
- **Address**: Flat B3-301, Woodsville Phase-I,
Spine Road, Moshi Pradhikaran, Pune-412105

Spouse Name: Mrs. Shailaja Patil
Status: Male/Married/Indian
Valid Passport :Available
Languages Known: English, Marathi and Hindi

References can be produced on Request...

Declaration:

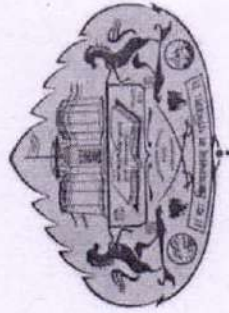
I hereby declare that, the above written particulars are true to the best of my knowledge and belief.

Date: 28/04/2021

Place: Pune

Yours Faithfully

Digvijay Patil



Savitribai Phule Pune University

(formerly University of Pune)

We, the Chancellor, the Vice Chancellor and the Members of the Management Council and the Academic Council of the Savitribai Phule Pune University, certify that

Patil Dignvijay Shridhar, Mother's Name : Surekha of Rajarshi Shahu College of Engineering, Fathawade, Pune, having been examined and found duly qualified for the degree of

Master of Engineering (Mechanical (Design Engineering))

and placed in the First Class in May 2018. The said degree has been conferred on him. In testimony whereof is set the seal of the said University.

सावित्रीबाई फुले पुणे विद्यापीठ

(पूर्वीचे पुणे विद्यापीठ)

आम्ही, सावित्रीबाई फुले पुणे विद्यापीठाचे कुलपती, कुलगुरु आणि व्यवस्थापन परिषद व विद्या परिषद सदस्य, प्रमाणित करितो की,

पाटील दिग्विजय श्रीधर, आईचे नाव: सुरेखा

हे राजर्षी शाहू कॉलेज ऑफ इंजिनिअरिंग, ताथवडे, पुणे. येथुन **प्रथम श्रेणीत मे २०१८ मध्ये अभियांत्रिकी पारंगत** (डिझाइन अभियांत्रिकी)

पदवी परीक्षा उत्तीर्ण झाल्याबद्दल त्यांना ही पदवी प्रदान करण्यात येत आहे. याची साक्ष म्हणून विद्यापीठाची अधिकृत मुद्रा येथे अंकित करण्यात येत आहे.



Vice Chancellor

03rd September 2020

S-EN19-03124

CONVOCATION NUMBER S-EN19-03124

Patil Digvijay Shridhar

Flat 301 B3 Building Woodsville PH-1 Gat No. 97 Near Gail
Pumping Station Borhadewadi Moshi Pimpri-Chinchwad Pune-
412105. Pune Maharashtra -412105

PRN NUMBER- 73301945F SEAT NUMBER- 5278

Degree Issue Date :- 22/03/2021



Letter of Invitation for Board of Studies Member
(Send on College Letterhead)

Date: 12/02/2020

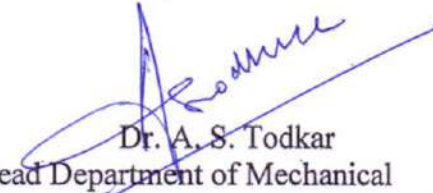
Respected Dr. U. C. Kapale,


TKIET is committed to achieve excellence in academics through technical education program. To achieve this goal, we involve all stake holders such as students, parents, researchers, academicians and industrialists by asking them to work with us in an advisory capacity to improve efficacy of our efforts towards ongoing **teaching-learning activities** in our Department.

You have been recommended to us by an Academic Council of TKIET to plan, execute and monitor all the activities related to teaching-learning process, administration, department development plans, documentation, quality measures etc. We invite you to serve as a member of **Board of Studies** at Department of Mechanical, TKIET.

I kindly request you to guide us by serving on this advisory board as an external subject expert by signing below. Please feel free to contact me for any further queries.

Sincerely,


Dr. A. S. Todkar
Head Department of Mechanical

Name	Designation	Signature
Dr. U. C. Kapale (Research academician)	Professor & Head, Mechanical, Sanjay Ghodawat University, Atigre, Kolhapur	

H&D
Department of Mechanical Engineering
Sanjay Ghodawat University, Kolhapur



Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY

WARANANAGAR, Pin- 416113. Tal. Panhala, Dist. Kolhapur, M.S., India.

Phone : 02328-224012, 224013, Fax : 02328-223507

E-mail : principal@tkietwarana.ac.in Website : www.tkietwarana.ac.in

An ISO 9001 : 2000 Certified Institute ; Accredited by National Board of Accreditation, New Delhi : NACC Accredited A- Grade (3.27 CGPA)
Recognized by Govt. of Maharashtra ; Approved by A.I.C.T.E., New Delhi and Affiliated to Shivaji University, Kolhapur

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Dr. H. A. Mandave,

Head of Department,

Department of Mech. Engineering,

KBP, Satara

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

Respected Sir,

Greetings from Department of Mechanical Engineering and TKIET, Warananagar.....!!!

The Institute was established in 1983 by visionary leader Late Shri.Tatyasaheb Kore, an architect of Warana cooperative and educational movement. TKIET has been accredited twice by NBA, New Delhi and has secured 'A' grade from NAAC, Bangalore with **CGPA of 3.27**. Recently, academic autonomous status is also conferred to Institute under Shivaji University by UGC, New Delhi on December 2020.

As per the guideline of UGC, Board of Studies is required to constitute for respective programs in the Autonomous Institute. It is integral part of autonomous institute which will give direction to set quality curriculum and future of department. The BoS plays a pivotal role in academics with the following functions.

- To prepare syllabi for various course keeping in view the objectives of the Institute, interest of stake holders and national requirement for consideration and approval of the Academic council.
- To suggest methodologies for innovative teaching and evaluation techniques.
- To suggest panel of names to the Academic Council for appointment of examiners
- To coordinate research, teaching, extension and other Academic activities in the department / Institute.

We are pleased to inform you that you have been nominated by our Institute and very much interested to receive your scholarly guidance as member for BoS of Mechanical department .We strongly believe that our Department will nurture under your direction and experience. Hence we kindly request you accept and give your consent for membership. Your valuable guidance and suggestions will surely enhance the curriculum standards.

Thanking You,

Dr. K.I. Patil
Dean Academics

Dr. P. V. Mulik
BoS Chairman

Dr. S. V. Anekar
Principal

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Dr. H. A. Mandave,
Head of Department,
Department of Mech. Engineering,
KBP, Satara

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

Respected Sir,

Greetings from Department of Mechanical Engineering and TKIET, Warananagar.....!!!

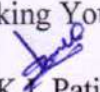
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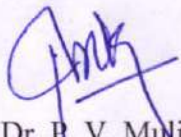
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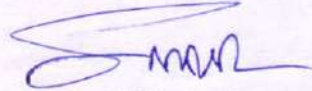
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Thanking You,


Dr. K.I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

CONSENT LETTER

Date:

To,
The Chairman,
Board of Studies,
Mechanical Engineering Department
TKIET, Warananagar.

Subject: Consent to be a member of Board of Studies (BoS) of Mechanical Engineering Department, TKIET Warananagar

Dear Sir,

With reference to the above mentioned subject; I wish to inform you that I am willing and pleased to accept your invitation as a member of Board of Studies in Mechanical Engineering Department. I would be very glad to share my inputs to enhance the curriculum and academic standards of the department.

Thanking you,

Yours faithfully,

(Name: Dr. H. A . Mandave)



Head, Department of Mechanical Engineering <hodmech@tkietwarana.ac.in>

Invitation as BOS of Mechanical Department of TKIET and consent letter

Hemant Mandave <hemant.mandave@kbpcoes.edu.in>

Sat, May 1, 2021 at 6:51 PM

To: "Head, Department of Mechanical Engineering" <hodmech@tkietwarana.ac.in>

Dear Dr. Mulik,

Thank you very much for the consideration as a member of BOS. It will be my pleasure to work with you. I am really sorry for the delayed reply; however it was due to two unfortunate deaths in my family due to COVID. Inconvenience due to delay is regretted.

Thanks and regards.

Dr. Mandave Hemant Anandrao
Associate Professor in Mechanical Engineering
Karmaveer Bhaurao Patil College of Engineering
Satara
hemant.mandave@kbpcoes.edu.in

[Quoted text hidden]



Consent letter Dr. H. A. Mandave.docx

13K



Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Recognized by Govt. of Maharashtra; Approved by A.I.C.T.E., New Delhi and Affiliated to Shivaji University, Kolhapur

AN AUTONOMOUS INSTITUTE

Ref. TKIET/ 2020-21/Autonomous/ BOS/281

Date: 6-3-2021

To

Dr. D.G.Thombare

R.I.T.,
Rajaramnagar
Sakharale

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

Ref.No.: SU/ affiliation/T-2/no.00049 dated 2nd March 2021

Respected Sir,

Greetings from Department of Mechanical Engineering and TKIET, Warananagar.....!!!

The Institute was established in 1983 by visionary leader Late Shri.Tatyasaheb Kore, an architect of Warana cooperative and educational movement. TKIET has been accredited twice by NBA, New Delhi and has secured 'A' grade from NAAC, Bangalore with **CGPA of 3.27**. Recently, academic autonomous status is also conferred to Institute under Shivaji University by UGC, New Delhi on December 2020.

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We are pleased to inform you that your name has been nominated by Shivaji University Kolhapur and very much interested to receive your scholarly guidance as member for BoS of Mechanical Engineering department. We strongly believe that our Department will nurture under your direction and experience. Hence we kindly request you accept and give your consent for membership. Your valuable guidance and suggestions will surely enhance the curriculum standards.

Thanking You


Dean Academics


BoS Chairman


Principal,



Search mail

Compose

5 of 24,959

Inbox 8,528

Starred

Snoozed

Important

Chats

Sent

Drafts 90

All Mail

Spam 43

Trash

Meet

New meeting

My meetings

Hangouts

Head, Departm

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Shallesh Patil

Acceptance of Invitation as member BoS and Bio Data.

Inbox x

Wed, Nov 4, 3:38 AM (1 day ago)

Dr. Dhananjay G. Thombare
to me

Dear Sir,

I am pleased to know that I have been recommended as member of Board of Studies at Department of Mechanical, TKIET. to us by Council of TKIET.

It will be a great pleasure to participate and help to design curriculum and academics at TKIET.

I shall be happy to participate and guide the teaching-learning process, administration, department development plans etc.

Dr. Dhananjay G. Thombare

B. E. Auto. Engg. M. E. Mech Heat Power, Ph. D Mech. Engg.

Fellow, Institution of Engineers, Member - SAE, IAEng, SESE, ISME, CI, ISTE, ISTD,

Professor, Automobile Engineering,

Rajarambapu Institute of Technology, Islampur, Dist. Sangli,

Maharashtra, India 415414.



Shree Warana Vibhag Shikshan Mandal's

TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY

WARANANAGAR, Pin- 416113. Tal. Panhala, Dist. Kolhapur, M.S., India.

Phone : 02328-224012, 224013, Fax : 02328-223507

E-mail : principal@tkietwarana.ac.in Website : www.tkietwarana.ac.in

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Recognized by Govt. of Maharashtra ; Approved by A.I.C.T.E., New Delhi and Affiliated to Shivaji University, Kolhapur

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Mr. Sanjay Khurd,

Director,

Webline Engg. Kolhapur

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

Respected Sir,

Greetings from Department of Mechanical Engineering and TKIET, Warananagar.....!!!


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Thanking You,


Dr. K.I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

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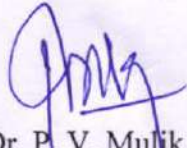
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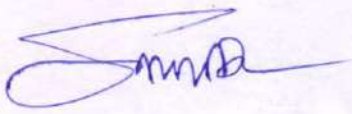
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Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

WEBLINE ENGINEERS

[Manufactures of Printing Machines and Accessorily Products]

Plot no 18, Behind Galaxy Sugar, Nr, Menon Piston, Nagaon, MIDC Shirol, Kolhapur-416122. India.
Mobile-8888853370 /73 email sk_graphix@rediffmail.com

Ref:-Consent Letter -TKIET

Date: 04-05-2021

CONSENT LETTER

To,

The Chairman,

Board of Studies,

Mechanical Engineering Department.

TKIET, Warananagar.

Subject: Consent to be a member of Board of Studies (BoS) of Mechanical Engineering Department, TKIET Warananagar

Dear Sir,

With reference to the above mentioned subject; I wish to inform you that I am willing and pleased to accept your invitation as a member of Board of Studies in Mechanical Engineering Department. I would be very glad to share my inputs to enhance the curriculum and academic standards of the department.

Thanking you,



Yours faithfully,

(Name: Mr. Sanjay Khurd)



Head, Department of Mechanical Engineering <hodmech@tkietwarana.ac.in>

Invitation as BOS of Mechanical Department of TKIET and consent letter

sanjay khurd <sk_graphix@rediffmail.com>

Tue, Apr 27, 2021 at 4:37 PM

To: "Head, Department of Mechanical Engineering" <hodmech@tkietwarana.ac.in>

Cc: "skg.wle@gmail.com" <skg.wle@gmail.com>, Pramod Mulik <pvmmech@tkietwarana.ac.in>

Dear sir

Thanks a lot for your valued invitation for BOS.

Reverting the same documents to you at earliest

Thank you once again

Best regards

SANJAY KHURD / KRISHNAT KONDE
FOR WEBLINE ENGINEERS, KOLHAPUR-416122
GSTN NO - 27AAAFW8811B1ZD
MOBIL-8888853370 / 73

Sent from RediffmailNG on Android

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Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Dr. Sham Gurav,

Founder and CEO

Epiphany Healthcare Innovations Pvt. Ltd.

Sangli, Maharashtra.

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

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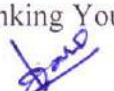
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Thanking You,


Dr. K.I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

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
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Thanking You,


Dr. K.T. Patil
Dean Academics

Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

CONSENT LETTER

Date: 28-04-2021

To,
The Chairman,
Board of Studies,
Mechanical Engineering Department
TKIET, Warananagar.

Subject: Consent to be a member of Board of Studies (BoS) of Mechanical Engineering Department, TKIET Warananagar

Dear Sir,

With reference to the above mentioned subject; I wish to inform you that I am willing and pleased to accept your invitation as a member of Board of Studies in Mechanical Engineering Department. I would be very glad to share my inputs to enhance the curriculum and academic standards of the department.

Thanking you,

Yours faithfully,



Dr. Sham Gurav



Head, Department of Mechanical Engineering <hodmech@tkietwarana.ac.in>

Invitation as BOS of Mechanical Department of TKIET and consent letter

Sham Gurav <sham.gurav@ahduni.edu.in>

Sat, May 1, 2021 at 10:39 AM

To: "Head, Department of Mechanical Engineering" <hodmech@tkietwarana.ac.in>, Pramod Mulik <pvmmech@tkietwarana.ac.in>


Hello Prof. Mulik,

PFA the consent letter.

Kind regards,

Sham

[Quoted text hidden]

 **Consent letter Dr. Sham Gurav.pdf**
207K



Shree Warana Vibhag Shikshan Mandal's

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Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Mr. Digvijay Patil,

Sr. Executive,

Thyssenkrupp Ind. Pune

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

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Thanking You,

Dr. K.I. Patil
Dean Academics

Dr. P. V. Mulik
BoS Chairman

Dr. S. V. Anekar
Principal

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

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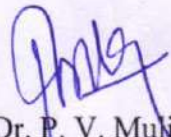
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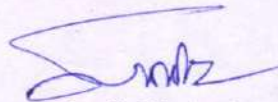
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Thanking You,


Dr. K.I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

CONSENT LETTER

Date: 27/04/2021

To,
The Chairman,
Board of Studies,
Mechanical Engineering Department
TKIET, Warananagar.

Subject: Consent to be a member of Board of Studies (BoS) of Mechanical Engineering Department, TKIET Warananagar

Dear Sir,

With reference to the above mentioned subject; I wish to inform you that I am willing and pleased to accept your invitation as a member of Board of Studies in Mechanical Engineering Department. I would be very glad to share my inputs to enhance the curriculum and academic standards of the department.

Thanking you,



Yours faithfully,

(Name: Mr. Digvijay Patil)



Head, Department of Mechanical Engineering <hodmech@tkietwarana.ac.in>

Invitation as BOS of Mechanical Department of TKIET and consent letter

digvijay patil <digvijay.patil19@gmail.com>

Wed, Apr 28, 2021 at 9:37 PM

To: "Head, Department of Mechanical Engineering" <hodmech@tkietwarana.ac.in>

Cc: Pramod Mulik <pvmmech@tkietwarana.ac.in>

Respected Sir,

I am very thankful to you for such a great opportunity.

I accept your invitation to be a member of the Board of Studies in (y)our renowned institute with immense pleasure.

While I look at this as an opportunity, I believe it is my equal responsibility to contribute towards enhancement of curriculum & academic standards of our department which laid the foundations of my career.

Signed copy of consent letter & my CV are enclosed herewith for your perusal.

Regards,

Digvijay Patil

9881135859 / 7798552164

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2 attachments



Consent letter Digvijay Patil.pdf

10K



CV_Digvijay Patil_Design Engr_~11 Yrs_Exp_27.04.2021.pdf

797K

CONSENT LETTER

Date:01/05/2021

To,
The Chairman,
Board of Studies,
Mechanical Engineering Department
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Subject: Consent to be a member of Board of Studies (BoS) of Mechanical Engineering Department, TKIET Warananagar

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(Name: Mr. Prakash Patil)



Head, Department of Mechanical Engineering <hodmech@tkietwarana.ac.in>

Invitation as BOS of Mechanical Department of TKIET and consent letter

Patil, Prakash (Branch - Pune) <Prakash.patil@saint-gobain.com>
To: "Head, Department of Mechanical Engineering" <hodmech@tkietwarana.ac.in>
Cc: Pramod Mulik <pvmmech@tkietwarana.ac.in>

Sat, May 1, 2021 at 11:44 AM

Dear Sir,

Thank you for the consideration as a member of BOS of Mechanical Department. I am accepting this invitation & will try my best in enriching the academic curriculum with Industry requirements.

Thanks & Regards,

Prakash Patil


Head- Application Engineering India

Tel: +91-020-25519891 | Mobile: 98506 77375

Email: prakash.patil@saint-gobain.com



[Quoted text hidden]

 **Consent letter Prakash Patil.docx**
97K



Shree Warana Vibhag Shikshan Mandal's

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Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Mr. Gautam S. Kamble

Department of Mechanical Engineering

TKIET, Warananagar

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

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Dean Academics

Dr. P. V. Mulik
BoS Chairman

Dr. S. V. Anekar
Principal

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

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Department of Mechanical Engineering
TKIET, Warananagar

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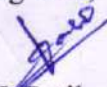
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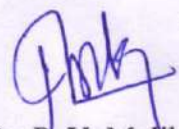
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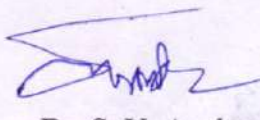
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Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Dr. Mukund S. Dhuttargaon

Department of Mechanical Engineering

TKIET, Warananagar

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

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Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Dr. Mukund S. Dhuttargaon
Department of Mechanical Engineering
TKIET, Warananagar

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
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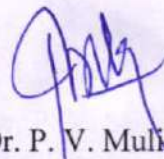
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
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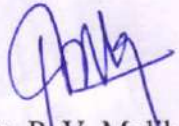
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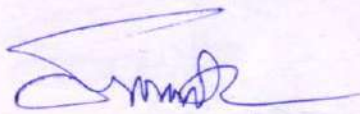
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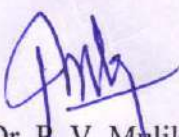
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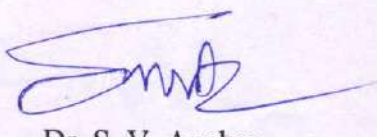
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
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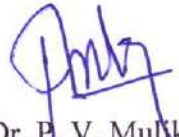
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
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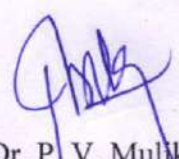
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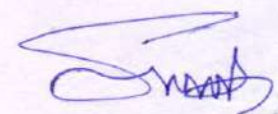
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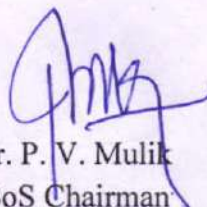
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To,

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Department of Mechanical Engineering

TKIET, Warananagar

Subject: Regarding the consent on 'Invitation as member on Board of Studies (BOS) of Mechanical Engineering Department of TKIET under Autonomous Status'.

Respected Sir,

Greetings from Department of Mechanical Engineering and TKIET, Warananagar.....!!!


The Institute was established in 1983 by visionary leader Late Shri.Tatyasaheb Kore, an architect of Warana cooperative and educational movement. TKIET has been accredited twice by NBA, New Delhi and has secured 'A' grade from NAAC, Bangalore with CGPA of 3.27. Recently, academic autonomous status is also conferred to Institute under Shivaji University by UGC, New Delhi on December 2020.


As per the guideline of UGC, Board of Studies is required to constitute for respective programs in the Autonomous Institute. It is integral part of autonomous institute which will give direction to set quality curriculum and future of department. The BoS plays a pivotal role in academics with the following functions.


- To prepare syllabi for various course keeping in view the objectives of the Institute, interest of stake holders and national requirement for consideration and approval of the Academic council.
- To suggest methodologies for innovative teaching and evaluation techniques.
- To suggest panel of names to the Academic Council for appointment of examiners
- To coordinate research, teaching, extension and other Academic activities in the department / Institute.

We are pleased to inform you that you have been nominated by our Institute and very much interested to receive your scholarly guidance as member for BoS of Mechanical department .We strongly believe that our Department will nurture under your direction and experience. Hence we kindly request you accept and give your consent for membership. Your valuable guidance and suggestions will surely enhance the curriculum standards.

Thanking You,


Dr. K. I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal

Ref. TKIET/ 2020-21/Autonomous/

Date:23/03/2021

To,

Mr. Rajendra T. Salunkhe
Department of Mechanical Engineering
TKIET, Warananagar

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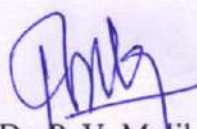
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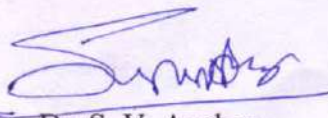
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Dr. K. I. Patil
Dean Academics


Dr. P. V. Mulik
BoS Chairman


Dr. S. V. Anekar
Principal



Board of Studies Meeting No - 1

Created by: V. M. Jadhav · Your response: ✓ Yes, I'm going

Time

10am - 12pm (India Standard Time - Kolkata)

Date

Sat May 8, 2021

Where

Tatyasaheb Kore Institute of Engineering & Technology, Tal. Panhala, Distt. Kolhapur, Warananagar, Maharashtra 416113, India

Description

Agenda of Board of Studies Meeting :-

Guests

- ✓ uday_kapale@rediffmail.com
- ✓ V. M. Jadhav
- ✓ Vikas Mane
- ⊗ Dr. Mahesh Jadhav
- Dr. Amol S. Todkar
- Dr. Dhananjay Thombare
- digvijay.patil19@gmail.com
- Gautam Kamble
- hemant.mandave@kbpcoes.edu.in
- kip@tkietwarana.ac.in
- msdhuttargaon@tkietwarana.ac.in
- Narayan Dharashivkar
- Prashant Patil
- prakash.patil@saint-gobain.com
- principal@tkietwarana.ac.in
- prpmech@tkietwarana.ac.in
- Pramod Mulik
- Rajendra Salunkhe
- sham.gurav@ahduni.edu.in
- skg.wle@gmail.com
- sv lingaraju

11.1 Greeting and Welcoming the BoS members.

1.2 Discuss the objectives of BoS and role of BoS members.

1.3 Introduction of the BoS Members.

1.4 Presentation of proposed B.Tech & First Year M.Tech (Autonomous) structure & syllabus w.e.f. 2021-22.

1.5 Inviting suggestions from BoS members for proposed syllabus structure.

1.6 Approval of S.Y.B.Tech and First Year M.Tech structure & syllabus to be

implemented w.e.f.2021-22.

1.7 Any other point with the permission of the Chair.

Prof. G. S.
Kamble

BoS, Member Secretary

Dr. P. V. Mulik

BoS, Chairman & HOD

My Notes

Shree Warana Vibhag Shikshan Mandal's
TATYASAHEB KORE INSTITUTE OF ENGINEERING AND TECHNOLOGY
Department of Mechanical Engineering

WELCOME


TO

**ALL BOARD OF STUDIES
(BOS) MEMBERS...**

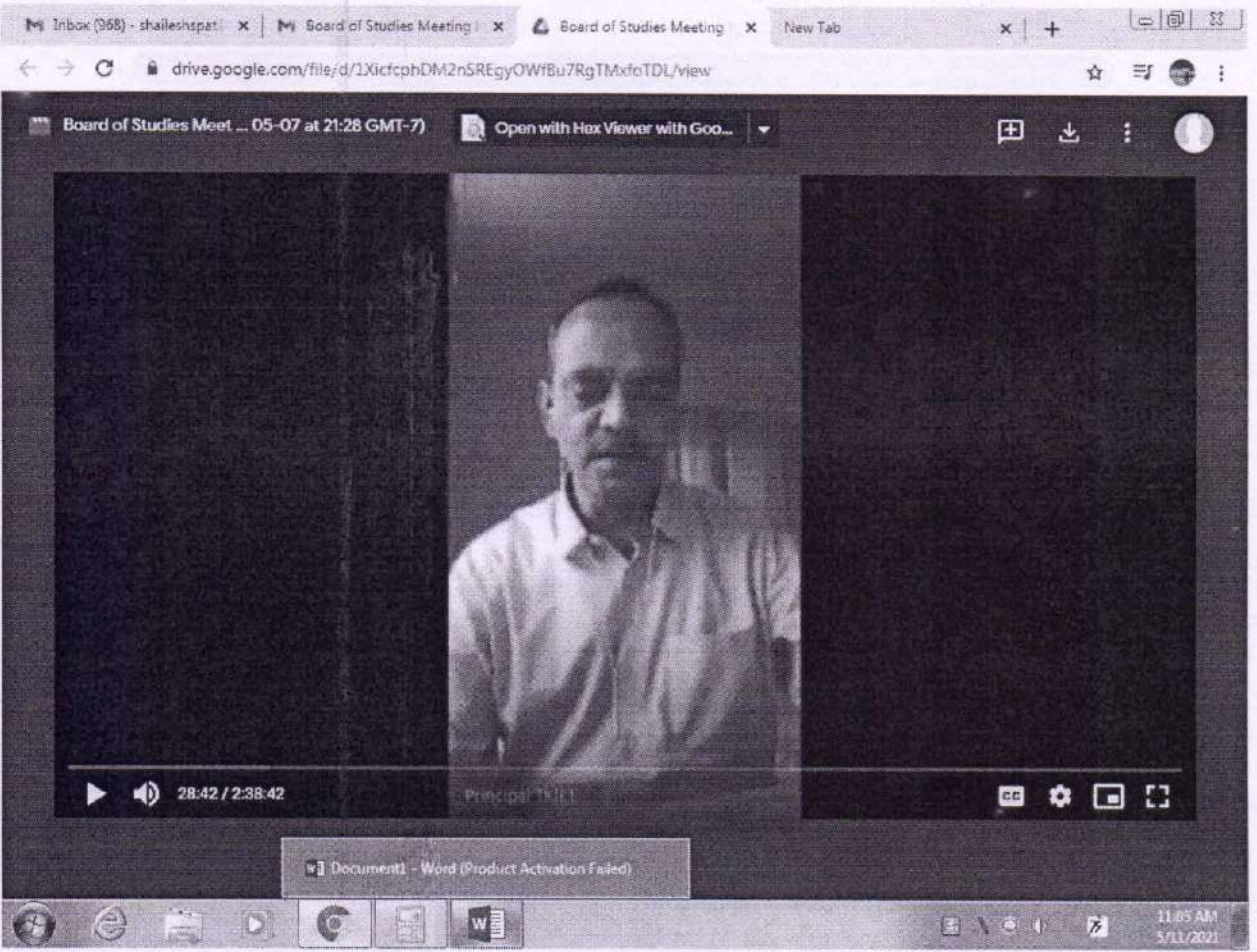
Date : 08/05/2021

Pranod Mule

The screenshot shows a video player interface. The main content is a presentation slide with the following text and images:

- Dr. D. G. Thombare**
- 
- Expert consultant by Vice Chancellor, Sreevast University, Kollapur

The video player includes a progress bar at the bottom showing 16:33 / 2:38:42, a volume icon, and control buttons for closed captions (CC), settings, full screen, and share. The Windows taskbar at the bottom shows the system tray with the date 11:03 AM and 5/11/2021.



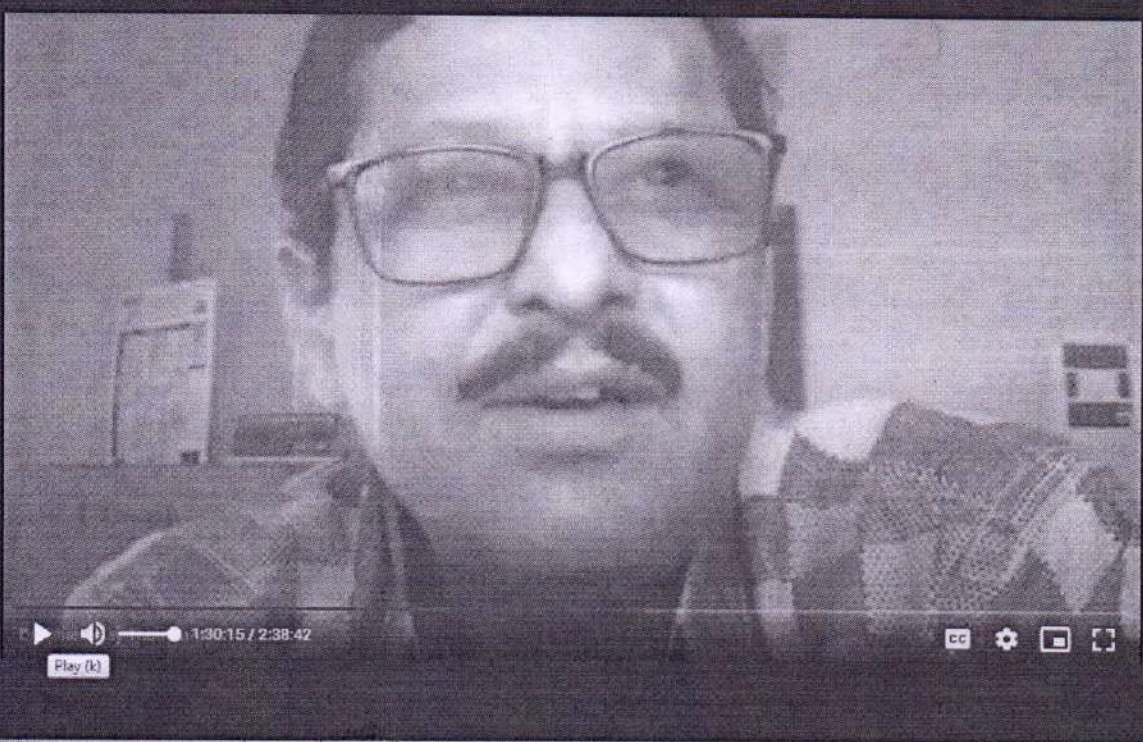


TABLE PROGRAM

Sr. No.	Activity	Coordinator / Speaker	Duration (in Mins)
1.	Welcome of B.O.S. Members	Prof. P. R. Patil	10:00AM – 10:02 AM (2 Mins)
2.	Address by HOD & Chairperson	Dr. P. V. Mulik	10:02AM – 10:06 AM (4 Mins)
3.	Introduction of B.O.S.Members	Dr. M. S. Dhuttargaon	10:06 AM – 10:14 AM (8 Mins)
4.	Address by Principal	Dr. S.V.Anekar	10:14 AM – 10:20 AM (6 Mins)
6.	Presentation of proposed B.Tech &M.Tech(Autonomous) syllabus structure w.e.f 2021-22	Prof. G. S. Kamble, Dr. M. R. Jadhav & Dr. P. J. Patil	10:20AM – 11:00 AM (40 Mins)
7.	Inviting suggestions from BoS External members	Open Forum for Discussion (Dr. N.S.Dharasivkar)	11:00 AM – 11:30AM (30 Mins)
9.	Consent of Approval of S.Y.B.Tech and M.Tech-I Syllabus Strucure	Open Forum for Discussion (Dr. A. S. Todkar)	11:30 AM – 11:40 AM (10 Mins)
10.	Any other issue with the permission of the chair	Open Forum for Discussion (Dr. A. S. Todkar)	11:40 AM – 11:45 AM (5 Mins)
11.	Vote of Thanks	Prof. R. T. Salunkhe	11:45 AM – 11:50 AM (5 Mins)
12.	Documentation of Minutes of Meeting	Prof. V. N. Mane	

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar
(An Autonomous Institute, Affiliated to Shivaji University, Kolhapur)

Department of Mechanical Engineering

Board of Studies Meeting No.01 and Resolution

Day & Date: Saturday, 8th May 2021

Time: 10.00 AM

Venue: (Online) (**Google Meet**)

AGENDA

- 1.1 Greeting and Welcoming the BoS members.
- 1.2 Discuss the objectives of BoS meeting and role of BoS members.
- 1.3 Introduction of the BoS Members.
- 1.4 Review of existing **B.Tech (CBCS) Shivaji University** syllabus structure.
- 1.5 Presentation of proposed **B. Tech & First Year M. Tech (Autonomous)** structure & syllabus w.e.f. 2021-22.
- 1.6 Inviting suggestions from BoS members for proposed syllabus structure.
- 1.7 Recommendation of text books and reference books.
- 1.8 Approval of S.Y. B.Tech and First Year M.Tech structure & syllabus to be implemented w.e.f. 2021-22.
- 1.9 Any other point with the permission of the Chair.

WELCOME ADDRESS AND INTRODUCTORY REMARKS BY THE BOS CHAIRMAN

The Board of Studies of Mechanical Engineering held on Saturday 8th May, 2021 at 10.00 am through Online mode at TKIET, Warananagar. At the outset BoS Chairman Dr. P. V. Mulik and Prof. P. R. Patil welcomed all the BoS members present for the first meeting (01 Meet) Online. (Google Meet)

The following members were present.

External Members:

Name	Designation	Mode of Attend
1. Dr. D. G. Thombare	VC Nominee S. U. Kolhapur	Online
2. Dr. U. C. Kapale	Subject Expert from from outside the parent University	Online
3. Dr. H. A. Mandave	Subject Expert from from outside the parent University	Online
4. Mr. Sanjay Khurd	Representative from Industry / Corporate Sector	Online
5. Dr. Sham Gurav	Representative from Industry / Corporate Sector	Online
6. Mr. Prakash Patil	Member from Alumnus	Online
7. Mr. Digvijay Patil	PG Meritorious Alumnus	Online

Internal Members:

1. Dr. S.V. Anekar	Principal & Chairmen, Academic Council
2. Dr. K. I. Patil	Dean Academic
3. Dr. P. V. Mulik	HoD & BoS Chairman
4. Prof. G. S. Kamble	BoS member & Member Secretary
5. Dr. M. S. Dhuttargaon	BoS member
6. Dr. M. R. Jadhav	BoS member
7. Dr. A. S. Todkar	BoS member

8. Dr. P. J. Patil	BoS member
9. Dr. N. S. Dharashivkar	BoS member
10. Prof. V. N. Mane	BoS member
11. Prof. R. T. Salunkhe	BoS member
12. Prof. P. R. Patil	Invitee

1.1 To welcome and approve the nomination of members in the BoS

Resolution: BoS Chairman Dr. P. V. Mulik and Prof. P. R. Patil welcomed all the BoS members present for the first Online meeting. And resolved to approve the nomination of BoS members.

1.2 To Discuss the objectives of BoS meeting and role of BoS members

Resolution: The objectives of BoS meeting was discussed to consider the agenda of first meet and to bridge the gap between the Industry & Academia and to set the syllabus structure & syllabi accordingly. BoS Chairman Dr. P. V. Mulik deliberated the duties and responsibilities of each Member and resolved to approve the 1.2 agenda of BoS 01 meet.

1.3 Introduction of the BoS Members.

Resolution: BoS member Dr. M. S. Dhuttargaon introduced all the external & internal BoS members present for the first Online meeting.

1.4 Review of existing **B.Tech (CBCS) Shivaji University syllabus structure** of Mechanical Engineering

Resolution: BoS member Dr. M. R. Jadhav elaborated existing B.Tech (CBCS) Shivaji University syllabus structure of Mechanical Engineering and all present BoS members have participated into the discussion of syllabi structure.

1.5 Presentation of proposed **B. Tech & First Year M. Tech (Autonomous)** syllabus structure w.e.f. 2021-22

Resolution: BoS member and member secretary Prof. G. S. Kamble, Dr. M. R. Jadhav and BoS member Dr. P. J. Patil presented proposed B. Tech & First Year M. Tech (Autonomous) syllabus structure respectively which will be implemented w.e.f. 2021-22. Prof. G. S. Kamble explained that, UCG and AICTE came up with CBCS pattern allowed to choose interdisciplinary courses and major, minor and honor degree

schemes are introduced in engineering academics and also discussed about the credits for the academic course. The total credits were limited to 163 for four year mechanical engineering course. All present BoS members have participated into the discussion of syllabi structure of Mechanical programme and suggested to check the credits distributed with the Apex body of Technical Institution & decision left to BoS chairmen and resolved to approve.

1.6 Inviting suggestions from BoS members for proposed syllabus structure.

Resolution: It has been discussed in BoS meet to prepare the courses & their syllabi of S.Y. B. Tech according to the requirement of Industry in concern with the constraints of University/ Institute/Department. The following members have suggested to incorporate (if possible) the certain courses throughout from III semester to VIII semester and syllabi & decision left to BoS chairmen and resolved to approve.

- 1) Dr. U. C. Kapale, congratulated Head and Mechanical Engineering Department faculty. He brought to the notice of the members that the Extra curricular activities are to be added from First year. He also suggested to add audit courses and software courses from first year. He advised that there should be more linking in elective subjects. He also advised that M. Tech projects should be industry and software based. He pointed out the changes between Shivaji university M.Tech syllabus and an autonomous status.
- 2) Dr.D. G. Thombare suggested that more weightage should be given to In Semester Examination (ISE). Marks should be given on the basis of attendance and performance. He elaborated Theory of Machine subject should be changed to Kinematics of machines and Dynamics of machines. He also suggested offer wide variety of electives, add industries related courses, project in the third year and for M. Tech Research Methodology subject should be in the first year instead of second year. He also advised try to incorporate project based learning or problem based learning. He suggested introduce in plant training in the both semester.
- 3) Dr. H. A. Mandave, brought to the notice that, the industrial training should be at all levels of degree course. He also added that number of choices should be increased in Choice Based Credit System. Basic changes should be carried out in material science and metallurgy, manufacturing engineering and thermodynamics subject.

- 4) Mr. Digvijay Patil brought to the notice of the members that the students should be made aware IoT, software's mostly used in industry, introduce NDT testing, welding and components of welding on large scale in workshop practice subject. He suggested that the approach to curriculum should bridge the gap between industry and academia & it should be application oriented. He also suggested that introduce anticorruption subject in curriculum, project management, supply chain management, process equipment design should be highlighted in curriculum, regarding M. Tech subject he suggested that, Research Methodology, IPR, R & D should not be combined together, it should be separate.
- 5) Mr. Sanjay Khurd noted that among all the discussions what industries looking for the students and what is required from the student is important, the students and the industry connect should start from second year onwards. He suggested that the experts from the industry should be called to guide the students, more industrial projects should be taken by the students to enhance the problem solving skills also build the students so that they will cop up easily with industries.
- 6) Dr. Sham Gurav, proposed B. Tech and M. Tech syllabus is very conservative. Be little aggressive while designing curriculum, collaborate with other institutes. Instead of C++ introduce Matlab, Python in the syllabus. Introduce Electrical vehicle technology in the syllabus, 3D printing, Additive technology in the syllabus. Introduce data science in the syllabus. Its going to be bread and butter in the future. Thermal engineering stream is more in demand and more its employable to the students.
- 7) Dr. S.V. Anekar, Principal, Presented keynote address to all the BoS members & reviewed the difference between affiliated & autonomous status. The students should be aware of lifelong learning to fill the gap according to the change in technology & industry. The curriculum should focus on Entrepreneurship & startup. He explained regarding opportunities in data science, and new fields such as Internet of Things, Machine Learning, innovative materials should be added in the curriculum and needs to change the syllabus combined with software field, assembly line without hampering basic concepts and fundamentals of mechanical engineering.

1.7 Recommendation of text books and reference books and examination pattern.

Resolution: All present BoS members have participated into the discussion of text books, reference books and examination pattern, nature of question paper, submission of Model answers and their pattern and suggested that it is the internal & confidential matter and is to be decided by the Internal BoS members, BoS chairmen in concern with BoE and should be approved by BoS chairman and resolved to approve.

1.8 Approval of S.Y. B.Tech and First Year M.Tech syllabus structure to be implemented w.e.f. 2021-22

Resolution: All BoS members have participated into the discussion on panel of Examination of III - VIII semester of B.Tech and I-II semester of M.Tech courses and suggested that it is to be decided by the Internal BoS members, BoS chairman in concern with BoE by keeping in mind the view of guidelines given by UGC and University and resolved to approve.

It has been discussed and decided by all the BoS members though it has to be implementing from the III semester and thorough information is to be collected about the Honors degree, Credits to be assigned and the honors degree specialization.

1.9 Any other points with the permission of chair.

Resolution: All the BoS members came to the common conclusion the syllabi is to be prepared in such a way that to reduce the bridge the gap between the world of Academician and Corporate.

Prepared and signed by



BoS, Chairman

Mechanical Engineering

CC to:

1. Principal
2. Dean Academic
3. Member Secretary , Mechanical Engg.

Tatyasaheb Kore Institute of Engineering and Technology, Warananagar

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Department of Mechanical Engineering

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Minutes of the BoS meeting

1. BoS Chairman Dr. P. V. Mulik and Prof. P. R. Patil, welcomed all the honorable members of the meeting. Dr. P.V.Mulik, addressed about objectives, importance of BoS meeting and deliberated the duties and responsibilities of each Member.
2. BoS member Dr. M. S. Dhuttargaon introduced all the external & internal BoS members present for the first Online meeting.
3. Dr. S.V.Anekar, Principal, Presented keynote address to all the BoS members & reviewed the difference between affiliated & autonomous status & After every three years curriculum should be updated. The students should be aware of lifelong learning to fill the gap according to the change in technology & industry. The curriculum should focus on Entrepreneurship & startup. He explained regarding opportunities in data science, and new fields such as Internet of Things, Machine Learning, innovative materials should be added in the curriculum and needs to change the syllabus combined with software field, assembly line without hampering basic concepts and fundamentals of mechanical engineering.
4. Prof. G. S. Kamble, Member secretary of BoS, and Dr. M. R. Jadhav BoS member Presented the syllabus structure from Sem-III to Sem-VIII of B. Tech and invited suggestions from members.
5. Dr. P. J. Patil, BoS member Presented the syllabus structure from Sem-I to Sem-II of M. Tech and invited suggestions from members.
6. Dr. U. C. Kapale, congratulated Head and Mechanical Engineering Department. Faculty. He brought to the notice of the members that the Extracurricular activities are to be added from First year. He also suggested to add audit courses and software courses from first year. He advised that there should be more linking in elective subjects. He also advised that M. Tech projects should be industry and software based. He pointed out the changes between Shivaji university M.Tech syllabus and an autonomous status.
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12. All the BoS members came to the common conclusion regarding choose interdisciplinary courses and major, minor and honor degree schemes are introduced in engineering academics and also discussed about the credits for the academic course. The total credits were limited to 163 for four year mechanical engineering course.

Prof. R. T. Salunkhe expressed a vote of thanks and the meeting was over.

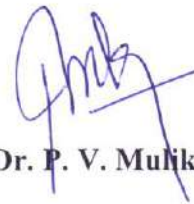
A separate copy of Resolution is prepared.

Prof. G. S. Kamble

Member Secretary

Dr. K.I.Patil

Academic Dean



Dr. P. V. Mulik

Head & BoS Chairman