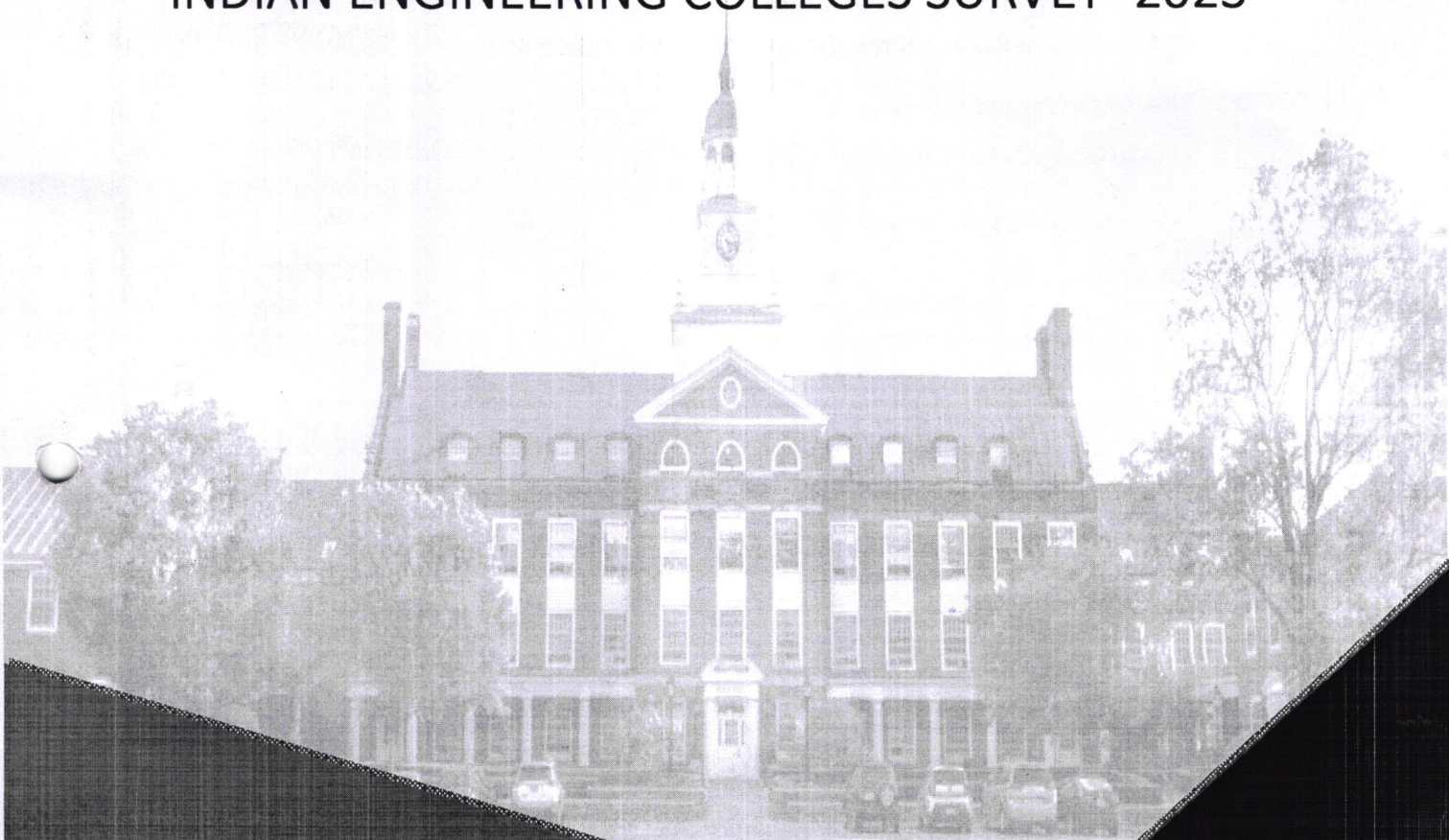




IIRF RANKING OF INDIAN ENGINEERING COLLEGES SURVEY- 2023



Introduction:

Namaste! Sir/Madam,

Maction Consulting Pvt. Ltd. is a full-service research and consulting firm based in Ahmedabad, India. We are conducting a study for the Indian Institutional Ranking Framework (IIRF). The objective of this Ranking of Engineering Colleges study is to provide internationally comparable data on key aspects of various institutes attributes, such as Placement Performance, Teaching Learning Resources & Pedagogy, Research, Industry Tie-Up and Integration, Placement Strategies & Support, Future Orientation, and External Perception and rank them to find Top Engineering Colleges. In this regard, I would be incredibly grateful to you if you could spare some time and provide us your valuable inputs by participating in this study. Your answers will be kept confidential, and your name shall not be mentioned without your consent. Your responses will be aggregated with other responses analysed and shared with the client. Thank you.

Please note that your response should be based on the **previous academic year 2021-22**.

The Scoring Pattern is explained as below:

No.	Dimension	Maximum Marks
1	Placement Performance	Marks out of 100
2	Teaching Learning Resources & Pedagogy	Marks out of 100
3	Research (Volume, Income and Reputation)	Marks out of 100
4	Industry Income and Integration	Marks out of 100
5	Placement Strategies & Support	Marks out of 100
6	Future Orientation	Marks out of 100
7	External Perception & International Outlook	Marks out of 100

Note: In case, any detail is not available, please mention 'Not Available'.

Note: In case, any detail is not provided for any head, Maction and IIRF will search for the same data from web sources/previously published reports etc.

1. QUESTIONNAIRE: INSTITUTIONAL BACKGROUND						
1.1.	Name of Institute		Tulsiramji Gaikwad- patil College of Engineering and Technology, Nagpur			
1.2.	Address		Address: Khasra No.8/1, PSK74, Mohgaon, Wardha Road, Nagpur - 441108			
			City: Nagpur	Pin: 441108	State Maharashtra	
1.3.	Tel.		0712-2240056	Mobile	9763711372	
1.4.	E-mail		principal@tgp cet.com	Website	www.tgp cet.com	
1.5.	Name of Dean/Principal		Dr. Anil Kale			
	Contact No.		9763711372			
	E-mail		principal@tgp cet.com			
1.6.	Year of Establishment		2007	Is approved by AICTE/UGC	Yes	
1.7.	University Affiliation (name)		Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur			
1.8.	Name of Trust that established the institute			Vidarbha Bahu-uddeshiya Shikshan Sanstha		
1.9.	Name of the Trust & Chairman: Dr. Mohan Gaikwad					
1.10.	Overseas campuses (if any)	Sr. No.	Name	City	Name of other Institute/University Tie-up	Year
1		-----			SEGi University Sdn Bhd (SEGi), Malaysia	2022
2		-----			Songlaka University, Thailand	2022

1.11 Please assign how much importance is given by your institute for the following parameters.

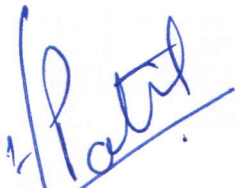
No.	Parameter	Out of 100%
1	Placement Performance	100% (out of 100%)
2	Teaching Learning Resources & Pedagogy	100% (out of 100%)
3	Research (Volume, Income and Reputation)	90 % (out of 100%)
4	Industry Income and Integration	95 % (out of 100%)
5	Placement Strategies & Support	100 % (out of 100%)
6	Future Orientation	95 % (out of 100%)
7	External Perception & International Outlook	95 % (out of 100%)
	Total should Tally	96.42 out of 100%

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College Of Engineering &
Technology, Nagpur

2.	ACADEMIC PROGRAMMES 2021-22: Regular Courses only		
	Programmes Offered(B.E)		
	Programme	Duration (Years)	No. of Students
	Aeronautical Engineering		
	Aerospace Engineering		
	Agricultural & Irrigation Engineering		
	Agricultural Engineering		
	Aircraft Maintenance Engineering		
	Architecture & Planning		
	Architecture Engineering		
	Automobile Engineering		
	Biological Engineering		
	Bio-medical Engineering		
	Bio-science & Technology		
	Bio-tech Engineering		
	Ceramic Technology		
	Chemical Engineering		
	Civil Engineering		
	Computer & Comm. Engineering		
	Computer Engineering		
	Computer Science & Engineering		
	Electrical & Electronics Engineering		
	Electrical Engineering		
	Electronics & Communication Engineering		
	Electronics & Instrumentation Engineering		
	Engineering Design		
	Engineering Physics		
	Engineering Science		
	Environmental Engineering		
	Food Technology		
	Industrial & Production Engineering		
	Industrial Bio-Technology		
	Industrial Engineering		

2.1	B.E	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Thermal Engineering		
		Others (Mention)_____		
		Others (Mention)_____		
				Total No. of Students


Note:


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Programmes Offered(B. Tech)				
		Programme	Duration (Years)	No. of Students
2.2.	B.Tech	Aeronautical Engineering	4	178
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering	4	141
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering	4	295
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering	4	333
		Electrical & Electronics Engineering		
		Electrical Engineering	4	279
		Electronics & Communication Engineering	4	249
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
		Industrial Bio-Technology		
		Industrial Engineering		

2.2	B.Tech	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology	4	279
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering	4	369
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Thermal Engineering		
		Others (Mention)_Data Science	4	69
		Others (Mention)_____		
		Total No. of Students		


Note:


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Programmes Offered(M.E)				
2.3.	M.E	Programme	Duration (Years)	No. of Students
		Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering		
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering		
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
		Industrial Bio-Technology		
		Industrial Engineering		

2.3	M.E	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering		
		Telecommunication Engineering		
		Textile Technology		
		Textile Technology/ Engineering		
		Thermal Engineering		
		Others (Mention)_____		
		Others (Mention)_____		
				Total No. of Students

Note:


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 Technology, Nagpur

Programmes Offered (M. Tech)				
2.4.	M.Tech	Programme	Duration (Years)	No. of Students
		Aeronautical Engineering		
		Aerospace Engineering		
		Agricultural & Irrigation Engineering		
		Agricultural Engineering		
		Aircraft Maintenance Engineering		
		Architecture & Planning		
		Architecture Engineering		
		Automobile Engineering		
		Biological Engineering		
		Bio-medical Engineering		
		Bio-science & Technology		
		Bio-tech Engineering		
		Ceramic Technology		
		Chemical Engineering		
		Civil Engineering		
		Computer & Comm. Engineering		
		Computer Engineering		
		Computer Science & Engineering	2	23
		Electrical & Electronics Engineering		
		Electrical Engineering		
		Electronics & Communication Engineering	2	13
		Electronics & Instrumentation Engineering		
		Engineering Design		
		Engineering Physics		
		Engineering Science		
		Environmental Engineering		
		Food Technology		
		Industrial & Production Engineering		
		Industrial Bio-Technology		
		Industrial Engineering		

2.4	M.Tech	Industrial Engineering & Management		
		Information Science & Engineering		
		Information Technology		
		Instrumentation & Control Engineering		
		Instrumentation Engineering		
		Manufacturing Engineering		
		Mechanical Engineering		
		Mechatronics Engineering		
		Metallurgic Engineering		
		Metallurgical & Materials Engineering		
		Mineral Engineering		
		Mining Engineering		
		Naval Architecture & Ocean Engineering		
		Petroleum Refining & Petrochemicals Engineering		
		Pharmaceutical Technology		
		Print & Media Technology		
		Printing Technology		
		Production Engineering		
		Rubber & Plastic Technology Engineering		
		Structural Engineering	2	47
		Telecommunication Engineering		
		Textile Technology		
		Textile Technology/ Engineering		
		Thermal Engineering		
		Others (Artificial Intelligence & Machine Learning)	2	14
		Others (Integrated Power Systems)	2	34
		Others (Mechanical Engineering Design)	2	17
		Total No. of Students		

Note:


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Programmes Offered(Ph.D.)				
2.5	Ph.D.	Programme	Duration (Years)	No. of Students
		Aerospace	Not Applicable	Not Applicable
		Biotech	Not Applicable	Not Applicable
		Chemicals	Not Applicable	Not Applicable
		Civil	Not Applicable	Not Applicable
		Computer Science	Not Applicable	Not Applicable
		Electrical & Electronics	Not Applicable	Not Applicable
		IT & Communication	Not Applicable	Not Applicable
		Mechanical	Not Applicable	Not Applicable
		Production/Industry	Not Applicable	Not Applicable
		Others (Mention)_____	Not Applicable	Not Applicable
		Others (Mention)_____	Not Applicable	Not Applicable
		Total No. of Students		

Note:

Programmes Offered				
2.6	Other management related programs	Programme	Duration (Years)	No. of Students
		MBA (all streams)	2	254
		Others : MCA	2	265
		Total No. of Students		519


Note:

3.	PLACEMENT PERFORMANCE: 2021-22	
3.1.	Streams available (Engineering & Others)	Please tick whichever is applicable: 1. Aerospace <input checked="" type="checkbox"/> 2. Biotech <input checked="" type="checkbox"/> 3. Chemicals <input type="checkbox"/> 4. Civil <input checked="" type="checkbox"/> 5. Computer Science <input checked="" type="checkbox"/> 6. Electrical & Electronics <input checked="" type="checkbox"/> 7. IT & Communication <input checked="" type="checkbox"/> 8. Mechanical <input checked="" type="checkbox"/> 9. Production/Industrial <input type="checkbox"/> 10. Management <input checked="" type="checkbox"/> 11. Others (Mention) _____
3.2.	Number of departments (Regular courses only)	09
3.3.	Number of courses (Regular courses only)	09
3.4.	Students: Approval vs. Actual Intake (2021-22) (all regular programs)	Approval: 480 Actual intake: 449
3.5.	Total number of companies visited for recruitment	79
3.6.	Of which, Number of Companies visited having turnover of 500 Cr. and above	12
3.7.	Number of Placements offered (by 500 Cr. Companies): 2021-22	52
3.8.	Of which, Number of companies visited having less than 500 Cr. Turnover	25
3.9.	Number of Placements offered (by less than 500 Cr. Companies): 2021-22	347
3.10.	Percentage of Placements (%) (w.r.to total candidates passed out)	86.39
3.11.	Minimum Salary/Annum of Students placed (In Rs. Lacs)	3.3 LPA
3.12.	Median Salary/Annum of Students placed (In Rs. Lacs)	6.4 LPA
3.13.	Maximum Salary/Annum of Students placed (In Rs. Lacs)	12 LPA


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4.	TEACHING LEARNING RESOURCES & PEDAGOGY		
4.1.	No. of Faculty with Ph.D. (Permanent role)	28	
4.2.	No. of Faculty without Ph.D. (Permanent role) (But PG, PG with M.Phil. PG and currently doing Ph.D.)	148	
4.3.	No. of Part time/ Temporary Faculty	05	
4.4.	Average number of students per faculty(Faculty Student Ratio)	1/20	
4.5.	No. of Faculty Development Programs (FDP) conducted by own faculty	9	
4.6.	No. of Faculty Development Programs (FDP) conducted by external faculty/trainers	13	
4.7.	Number of Students completed Ph.D. or Equivalent Programme (full time/part time)	- Not Applicable	
4.8.	Faculty Performance Assessment/ Teaching Skills: Number of Articles Published in national Newspapers and standard magazines by faculties	190	
4.9.	Accreditation National Level (Mention Names)	NAAC A+ (Annexure 01)	
4.10.	Accreditation International Level (Mention Names)	NA	
4.11.	No. of. Guest Lecturers arranged	56	
4.12.	No. of workshops arranged for Students	19	
5.	RESEARCH: 2021-22		
5.1.	Details of Ph.D. of senior faculties of your institution (Engineering only)		
	Sr. No	Faculty Name	Subject of study Institution from where Ph.D. is pursued
	1	Dr. Mohan Gaikwad	Some Problems in Bimetric Theory of Gravitation Admitting One Parameter Group of Conformal Motions. 2013- Rashtrasant Tukadoji Maharaj Nagpur University.
	2	Dr. Geeta Padole-Gaikwad	Synthetic Magnetic and Spectrophotometric Studies of Some Coordination Polymers. 2012- Rashtrasant Tukadoji Maharaj Nagpur University.
	3	Dr. Rashmi Joshi	A Study of adsorption Transition metal complexes on Zeolites. 1995- Dr. H.S. Gaur University, Sagar
	4	Dr. Roshani Singh	Luminescence Characterization of Rare Earth Activated Vanadate Based Phosphors for Solid State Lighting 2014- Rashtrasant Tukadoji Maharaj Nagpur University.
	5	Dr. Bhavna Deshpande	Advanced oxidative degradation of refractoryorganic compounds in aqueous phase. 2021- Rashtrasant Tukadoji Maharaj Nagpur University.

6	Dr. Mamta Takharkhede	Influence of Synthesis Routes and Parameters on Dielectric Properties of Solid Solution of PMN,PZN & PT.	2019- - Rashtrasant Tukadoji Maharaj Nagpur University.
7	Dr. Abhijit Jamode	Study on Performnace and Kinetics of Various Leaf Powders as Adrients for Defuondation.	2006- Amravati University
8	Dr. Rohit Kalnake	Studies on Rotating Packed Disc Bioreactor	2021- National Institute of Technology Karnataka, Surathkal
9	Dr. Sanjay Nikhade	Design development and performance evaluation of micro wind turbine.	2019- - Rashtrasant Tukadoji Maharaj Nagpur University.
10	Dr. R. Bhargava	Design problems in built environment with Technology and Vastushastra.	2005- Visvesvaraya National Institute of Technology,Nagpur.
11	Dr. S. S. Rathore	Simplified Computations of Various Flow-Depths in Open Channels.	2002-Pt. Ravishankar Shukla University, Raipur.
12	Dr. Shrirang Khare	Development of Artificial Neural Network (ANN) model for Optimal Operation of Reservoirs and Assesment of its Application Potential Over Conventional Method.	2017- Rashtrasant Tukadoji Maharaj Nagpur University.
13	Dr. S.K. Mahajan	Computer Assisted Learning for Structural Dynamics and Earthquake Engineering.	2021- Visvesvaraya National Institute of Technology,Nagpur.
14	Dr. Vijay Talodhikar	Design Analysis and Febrication of Manually Operated Pototo Pecling Machine.	2022- Rashtrasant Tukadoji Maharaj Nagpur University.
15	Dr. Shubhangi Gondane	Development of Suitable adhesive for Bamboo Joinery.	2022- Rashtrasant Tukadoji Maharaj Nagpur University.
16	Dr. Yogesh Mahulkar	Design and Performance Analysis of Miniature Loop Heat Pipe.	2021- Amravati University
17	Dr. Deepak Gupta	Process optimization for extracting essential oil from different leaves.	2012- Techno Global University, Bhopal


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18	Dr. Narendra Chaudhari	Parallelizing RNA Folding Algorithm and Markov Clustering Algorithm for Protein - Protein Interaction Networks (PPI) Using Speculative Parallelization and Decoupled software Pipelining Methods.	2018- Amravati University.
19	Dr. Deepak Kapgate	Optimization of Study State Visual Evoked Potentials (SSVEP) and Event Related Potentials (P300) Responses for Robust Hybrid Visual Brain Computer Interface.	2021- Rashtrasant Tukadoji Maharaj Nagpur University.
20	Dr. Prajakta Dhote	Smart Decision Making Using Fuzzy Logic for Knowledge Management System.	2015- Rashtrasant Tukadoji Maharaj Nagpur University.
21	Dr. Prashant Thakre	Design, Modeling and Performance Study of Digital Controller for Solar Photovoltaic System.	2016- Maulana Azad National Institute of Technology, Bhopal
22	Dr. Sonali Paunekar	Development of New Technique for Modelling of Voltage security assessment in a Restructured Electricity Market using various Techniques.	2019- Rashtrasant Tukadoji Maharaj Nagpur University.
23	Dr. Pratik Ghutke	Advanced Control Strategies to Enhance Productivities of Crop in Indian Irrigation System	2022- Sandip University, Nashik
24	Dr. Suresh Salankar	Studies on Neural Network Based Classification of Sonar and Radar Signals..	2009- Smami Ramanand Teerth Marathwada University, Nanded.
25	Dr. Prashant Kshirsagar	A Study of Unit Linked Insurance Policies and Services.	2015- Rashtrasant Tukadoji Maharaj Nagpur University.
26	Dr. Arunkumar Mankar	A Critical Study of Training and Development in Major Power Stations of Vidarbha and impact on Organizational Effectiveness.	2010- Rashtrasant Tukadoji Maharaj Nagpur University.
27	Dr. Smita Ukunde	Comparative Study of Customer Satisfaction of Public Sector , Private Sector and Co-operation Sector Bank with Reformation to Nagpur Rural _Area.	2016- Rashtrasant Tukadoji Maharaj Nagpur University.
28	Dr. Atul Tekade	An Analytical Study of Marketing of Pesticides & Its effect on Agri Product in Nagpur District for the period 2000-01 to 2002-06	2014- Rashtrasant Tukadoji Maharaj Nagpur University.

5.2 Engineering: Number of research papers published by senior faculties of this University: 2021-22							
Sr. No	Faculty Name	Total No. of research papers published (engineering)	Journal of Engineering Education/ Engineering Science and Technology	IEEE Engineering Journal	Nature materials/ Advanced materials	Other major * (name of journal-Specify.....)	No. of research papers published under Other engineering journals Elsevier/ Springer IEEE/ Wiley/ Others
1	Prof. Pragati Patil	04					04
2	Prof. Anup Gade	04	03				01
3	Prof. Aasif M Baig	04	04				
4	Prof. Amey Khedikar	04	04				
5	Prof. Sanjay Bhadke	04	04				
6	Prof. Rohini Pochhi	3	3				
7	Prof. Rahul Dhutur	6	6				
8	Dr. Prashant Thakre	3	1				1
9	Prof. Radharaman Shaha	3	3			1	
10	Prof. Pratik Ghutke	4	3	1		1	
11	Dr. Rohit P. Kalnake	6	3				2
12	Mr. Vijay Talodhikar	4	2				2
13	Dr. Yogesh Mahulkar	6	4	-	-	-	2
13	Prof. Ritesh Banpurkar	5	4				1
14	Prof. Dipali Bhojar	12	10				
15	Prof. Darshika khawase	04	04				
16	Dr. Shubhangi Gondane	03	03				
17	Prof. Gaurav Nagdeve	06	04				

Principal

18	Prof. Pournima Singh	02	02				
19	Prof. Jayant Rohankar	02	02				
20	Dr. Sandeep Gaikwad	04	04				
21	Prof. Pannalal Kurmi	02	02				
22	Prof. Sneha Tibude	09	04				
23	Dr. Bhavna Deshpande	04	03				
24	Prof. Sachin Waghmare	01	01				
25	Prof. Divyani Harpal	03	03				
26	Prof. Ganesh Wakte	03	03				
27	Prof. Mohitsingh Katoch	01	01				
28	Dr. S. S. Rathod	07	05				
29	Prof. Rahul Dhutture	03	03				
30	Prof. Vidyadhar Kshirsagar	01	01				
31	Prof. Vishwajeet Ambade	02	02				
32	Dr. Shrirang Khare	01	01				
33	Prof. Roshan Chandekar	02	01				
34	Prof. Jayant Adhikari	03	02				
35	Prof. Sarvesh Warjurkar	02	02				
36	Prof Abhay Rewatkar	02	02				
37	Prof. Neha Mogre	01	01				
38	Dr. Narendra Chaudhari	01	01				
39	Prof. Neha Mogre	02	02				
40	Prof. Khushbu Wase	01	01				

41	Prof. Akanksha Bondade	01	01				
42	Dr. Pravin Tajane	02	02				

*Please include these: Mechanical Engineering Journals: 1.Material Science and Engineering.

Electrical, Electronic Engineering Journals: 1.Nature Nanotechnology,2.Nature Electronics,3.IEEE Communications and Tutorials, 4. Energy Engineering and Power
Technology Journals: 1.Nature Energy,2.ACS Energy Letters,Computer Science Engineering Journals: 1.Nature Biomedical Engineering,2.Science Robotics etc.]

5.3.A Engineering: Research papers published by senior faculty: Reference Link – Faculty 1	
1. Faculty Name: Prof. PRAGATI PATIL	
Reference/Link of research paper	
Reference Link of research paper: Journal Name 1: International Journal of Distributed and Parallel Systems	Reference Link of research paper: Journal Name 2 : International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
1. https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=aa12c4d36d4ecde22bc44675dab2dcd0189c7f29	1. https://www.ijareeie.com/upload/2015/january/16_Survey.pdf
2.	2.
3.	3.
4.	4.
Note: Please add in separate sheet/paper, for extra research papers	
Reference Link of research paper: Journal Name 3: International Journal of Engineering Research & Technology (IJERT)	Reference Link of research paper: Journal Name 4 : International Journal of Advanced Research in Computer Science and Software Engineering
1. https://www.ijert.org/research/a-review-on-data-anonymization-technique-for-data-publishing-IJERTV1IS10210.pdf	1. https://www.academia.edu/12380432/ENHANCED_FUNCTIONALITY_EMERGENCY_CALL_APPLICATION_FOR_ANDROID
2. https://www.ijert.org/research/survey-on-energy-consumption-in-wireless-sensor-network-IJERTV2IS1071.pdf	2.
3. https://www.ijert.org/research/data-security-and-its-techniques-in-cloud-storage-a-review-IJERTV1IS10215.pdf	3.

4.	4.
Note: Please add in separate sheet/paper, for extra research papers	

5.3.B Engineering: Research papers published by senior faculty: Reference Link – Faculty 2		
2. Faculty Name: Dr. Amey R. Khedikar		
Reference/Link of research paper		
1.	Reference Link of research paper: Journal Name 1:Advances and Applications in Mathematical Sciences	Reference Link of research paper: Journal Name 2 :International Journal for Research in Engineering Application & Management (IJREAM)
	1. https://www.mililink.com/issue_content.php?id=59&ild=401&vol=21&is=9&mon=July&yer=2022&pg=4871-5503	1. https://www.ijream.org/IJREAM_V08I02.html
	2.	2. http://ijream.org/IJREAM_V08I03.html
	3.	3. http://ijream.org/papers/IJREAMV08I0387033.pdf
	4.	4. https://www.ijream.org/IJREAM_V08I03.html
	Note: Please add in separate sheet/paper, for extra research papers	
	Reference Link of research paper: Journal Name 3:Journal of Emerging Technologies and Innovative Research (JETIR)	Reference Link of research paper: Journal Name 4 :Journal of Engineering, Computing & Architecture
	1.Published Paper URL : https://www.jetir.org/view?paper=JETIR2206125	1. http://journaleca.com/Volume-12-Issue-6-JUNE-2022/
	2.Published Paper PDF : https://www.jetir.org/papers/JETIR2206026	2. http://www.journaleca.com/gallery/jeca%20-%202723.pdf
	3. https://www.jetir.org/view?paper=JETIR2206183	3. http://www.journaleca.com/gallery/jeca%20-%202724.pdf
	4.	4.

Note: Please add in separate sheet/paper, for extra research papers

5.3.C Engineering: Research papers published by senior faculty: Reference Link – Faculty 3

3. Faculty Name: Mr. Anup Gade

Reference/Link of research paper

Reference Link of research paper: Journal Name 1: Helix	Reference Link of research paper: Journal Name 2 : Journal Europeen des Systemes Automatises
1. http://helix.dnares.in/wp-content/uploads/2018/09/3976-3979.pdf	1. file:///C:/Users/USER/Downloads/52.01_01.pdf
2.	2.
3.	3.
4.	4.
1. Note: Please add in separate sheet/paper, for extra research papers	
Reference Link of research paper: Journal Name 3: International Information and Engineering Technology Association (IETA)	Reference Link of research paper: Journal Name 4 : International Conference On Computational Vision and Bio Inspired Computing
1. https://www.ieta.org/journals/jesa/paper/10.18280/jesa.520101	1. https://link.springer.com/chapter/10.1007/978-3-030-41862-5_118
2. https://www.ieta.org/journals/rces/paper/10.18280/rces.060101	2.
3.	3.

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4.	4.
Note: Please add in separate sheet/paper, for extra research papers	

5.3.D Engineering: Research papers published by senior faculty: Reference Link – Faculty 4

4. Faculty Name: Dr. Radharaman Shaha

Reference/Link of research paper

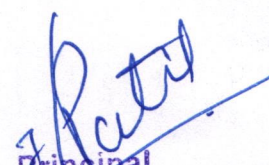
1.	Reference Link of research paper: Journal Name 1: International Journal of Trend in Scientific Research and Development (IJTSRD)	Reference Link of research paper: Journal Name 2 : International Journal of Engineering and Techniques
	1. https://issuu.com/ijtsrd.com/docs/89_compensation_of_sag_and_swell_vo	1. http://www.ijetjournal.org/Volume4/Issue3/IJET-V4I3P40.pdf
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	
	Reference Link of research paper: Journal Name 3: Advancement and Research in Instrumentation Engineering	Reference Link of research paper: Journal Name 4 : International Journal of Science and Research
	1. http://hbrppublication.com/OJS/index.php/ARIE/article/view/2231	1. https://www.ijsr.net/archive/v5i6/NOV164793.pdf
	2.	2.
	3.	3.
	4.	4.
	Note: Please add in separate sheet/paper, for extra research papers	

5.3.E Engineering: Research papers published by senior faculty: Reference Link – Faculty 5

5. Faculty Name: Sanjay Bhadke

Reference/Link of research paper

Reference Link of research paper: Journal Name 1:Journal of Structural Engineering, its Applications and Analysis	Reference Link of research paper: Journal Name 2 :International Research Journal of Modernization in Engineering Technology and Science
1. http://hbrppublication.com/OJS/index.php/JSEAA/article/view/2423	1. https://www.irjmets.com/uploadedfiles/paper/issue_5_may_2022/24701/final/fin_irjmets1654008959.pdf
2.	2.
3.	3.
4.	4.
Note: Please add in separate sheet/paper, for extra research papers	
Reference Link of research paper: Journal Name 3:International Research Journal of Engineering and Technology (IRJET)	Reference Link of research paper: Journal Name 4 :International Journal of Innovative Research in Science, Engineering and Technology
1. https://www.irjet.net/archives/V6/i12/IRJET-V6I12128.pdf	1. http://www.ijirset.com/upload/2017/icmtest/33_IJAE-MS-Paper-Format_1_%20nwe.pdf
2. https://www.irjet.net/archives/V5/i4/IRJET-V5I4150.pdf	2.
3. https://www.irjet.net/archives/V5/i3/IRJET-V5I3662.pdf	3.
4. https://www.irjet.net/archives/V5/i6/IRJET-V5I610.pdf	4.
Note: Please add in separate sheet/paper, for extra research papers	


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5.4.	Is your research publication used to develop corporate/consultancy assignment		No	
Sr. No	Research Name	Consultancy Name	Details of research	Revenue generated (Rs.)
1.				
2.				
3.				
4.				
5.				
5.5.	Reputation of institute (among general public)		Tick the relevant one	
	1. Just building the reputation now		1	
	2. Reputed institute national level		2 ✓	
	3. Reputed institute international level		3	
	4. Reputed institute national and international level		4	
	5. Highly Reputed institute national level		5	
	6. Highly Reputed institute international level		6	

6. INDUSTRY INCOME AND INTEGRATION					
6.1.A		Number of Corporate Leaders visited in Campus for Lectures			41
6.1 B		Number of. Guest Lecturers arranged (attach list)			56 (Annexure-02)
6.1 C		Number of workshops arranged for Students (attach list)			10 (Annexure-03)
6.2		Knowledge transfer income/Training outside/ Webinar arrangement. Knowledge tie ups			
6.2.1.		Webinars conducted (Y/N)		1 = Yes	
6.2.2.		If Yes, No. of webinars conducted in last academic year		16 (Annexure-03-A)	
6.2.3.		Training Sessions outside institutes (Y/N)		1 = Yes	
6.2.4.		If Yes, No. of training sessions outside conducted in last academic year		117	
6.2.5.		Knowledge Tie-Ups with other institutes/bodies		1 = Yes	
6.2.6.		If Yes, No. of knowledge tie-ups		17 (Annexure 04)	
6.2.7.		If, Please name the institutes/bodies		SEGI University Sdn Bhd- Songlaka (Annexure- 05)	
6.3.		Internship for Students (with Companies/Corporates)			
				Type	
				No. of programs: Paid Internship:	
6.3.1.		Internship Programmes		2 = Unpaid	
6.3.2.		Exchange Programmes-Domestic		1 = Yes	
6.3.3.		Exchange Programmes-International		1 = Yes	
				No. of programs: Unpaid Internship:	
				Details: Annexure-04	
				Details: Annexure-05	

7.	PLACEMENT STRATEGIES & SUPPORT			
7.1.	Institutional Support			
	7.1.1.	Have Placement cell	1 = Yes	
	7.1.2.	If Yes, Active Status of placement cell	Very active 4	
	7.1.3.	Conduct Mock Interviews for students	1 = Yes	
	7.1.4.	If Yes, Active Status of Mock interviews	Very active 4	
	7.1.5.	HR expert discussions	1 = Yes	
	7.1.6.	If Yes, Active status of HR expert discussion	Very active 4	

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	7.1.7.	Resume Development Support	1 = Yes	
	7.1.8.	If Yes, Support level to students	Very good 4	
7.20	Alumni support (<i>Alumni support is understood as Alumni invites students for their company</i>)		1 = Yes	0 = No
7.21	If yes, for what purposes		1. Knowledge sharing sessions 2. Expert guidance/Mentorship 3. Others	

8.	FUTURE ORIENTATION			
8.1.	Incubation / Start Up Cell Availability			3= Available
		If Yes, Establishment Year: 2018		
8.2.	Idea Generation			
8.2.1.	Idea Development by Professors			4 = Very high
8.2.2.	Idea development by Students			4 = Very high
8.3.	Research team availability for Incubation research			4 = Very high

9.	EXTERNAL PERCEPTION			
9.1.	Vision, Strategy and Governance Mechanism- Availability of clear cut Vision, Strategy and how to achieve it procedures			4 = Very high
9.2.	Investing on Development Activities			4 = Very high
9.3.	Public views: Current brand image			4 = Very high
9.4.	Public views: Degree validity in job markets			4 = Very high
9.5.	Public views: Skill development for students			4 = Very high
9.6.	Public views: New courses or New branches started			4 = Very high
9.7.	Public views: Pride of Students			4 = Very high

[Please attach supporting documents wherever applicable/available]

10. INTERNATIONAL OUTLOOK	
10.1. No. of international staff (full time & part time)	03
10.2. Percentage of International Staff (% of total staff)	2.02%
10.3. No. of international students (full time & part time)	Nil
10.4. Percentage of International Students (% of total students)	Nil
10.5. Number of International collaborations & alliances	01

RESPONDENT'S DETAILS	
Name of Respondent	Prof. Pragati Patil
Department	CSE
Designation	Vice-Principal
Email Id	principal@tgp cet.com
Contact Number/Mobile Number	8805000935

Annexure: Please provide here other additional details.

Annexures-

Annexure 01- NAAC Certificate

Annexure 02-List of Guest Lectures

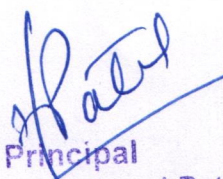
Annexure 03- List of Workshops arranged for students

Annexure 03 (A)- List of Webinar arranged for students

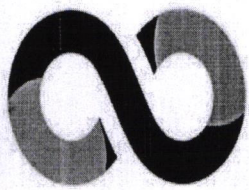
Annexure 04- List of knowledge tie-ups

Annexure 05- Exchange Programmes-International

Please attach required supporting documents/scan


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THANK YOU FOR YOUR PARTICIPATION



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Mr. M. Sekar

Associate Director – Insights and Analytics

Phone: +91-7760508100

Email: iirfranking.com@gmail.com, iirf@maction.com,

Maction Consulting Pvt. Ltd.

Address: A/1/D Chinubhai Tower, Near H.K College Ashram Road,
Ahmedabad 380009, Gujarat, INDIA

Website: www.maction.com



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Tulsiramji Gaikwad-Patil College of Engineering and Technology
Mahgaon, Dist. Nagpur,
affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Maharashtra as
Accredited
with CGPA of 3.32 on four point scale
at A⁺ grade
valid up to December 31, 2026*

Date : December 04, 2018



S. C. Gaur
Director

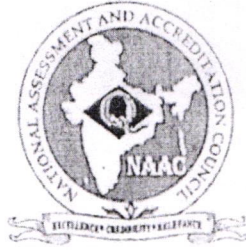
EC/82/AU/243



Ratna
Principal

Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur

Anuradha
Principal
Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
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Quality Profile

Name of the Institution : Tulsiramji Gaikwad-Patil College of Engineering and Technology
Place : Mohgaon, Dist. Nagpur, Maharashtra

Criteria	Weightage (W_i)	Criterion-wise Weighted Grade Point ($Cr WGP_i$)	Criterion-wise Grade Point Averages ($Cr WGP_i / W_i$)
I. Curricular Aspects	100	380	3.80
II. Teaching-Learning and Evaluation	340	1084	3.19
III. Research, Innovations and Extension	101	350	3.47
IV. Infrastructure and Learning Resources	099	340	3.43
V. Student Support and Progression	110	414	3.76
VI. Governance, Leadership & Management	100	300	3.00
VII. Institutional Values and Best Practices	100	284	2.84
Total	$\sum_{i=1}^7 W_i = 950$	$\sum_{i=1}^7 (Cr WGP_i) = 3152$	

$$\text{Institutional CGPA} = \frac{\sum_{i=1}^7 (Cr WGP_i)}{\sum_{i=1}^7 W_i} = \frac{3152}{950} = \boxed{3.32}$$

Grade = A



Date : December 04, 2018

S.C. Saw
Director

- An institutional CGPA on four point scale in the range of 3.51 - 4.00 denotes A⁺⁺ grade,
- 3.26 - 3.50 denotes A⁺ grade, 3.01 - 3.25 denotes A grade, 2.76 - 3.00 denotes B⁺⁺ grade,
- 2.51 - 2.75 denotes B⁺ grade, 2.01 - 2.50 denotes B grade, 1.51 - 2.00 denotes C grade
- Scores rounded off to the nearest Integer

BC/F2/AU/243

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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

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NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box No. 1075, Nagarbhavi, Bengaluru - 560 072

पो.ओ. बॉक्स नं. 1075, नागरभावी, बेंगलूरु - 560 072

Notice

Sub: Mandatory Submission of Annual Quality Assurance Report (AQAR) by Internal Quality Assurance Cell (IQAC) of HEIs

NAAC advocates that every accredited institution need to establish an Internal Quality Assurance Cell (IQAC) as a quality sustenance measure. NAAC intends IQACs to be more developmental oriented focusing on continuous improvement. NAAC has prepared Guidelines for Creation of the Internal Quality Assurance Cell (IQAC) and Submission of Annual Quality Assurance Report (AQAR) for Accredited Institutions.

So far submission of AQARs was not a mandatory requirement for institutions applying to NAAC 2nd and subsequent cycles of Assessment and Accreditation (A&A). It has now been decided by the Executive committee of NAAC that **regular submission of AQARs should be made mandatory for 2nd and subsequent cycles of accreditation.**

In view of the decision of **Executive Committee of NAAC** the following will be the pre-requisites for submission of LOI for all Higher Education Institutions (HEIs) opting for 2nd and subsequent cycles of A&A with effect from 16th September 2016:

- Having a functional IQAC.
- The minutes of IQAC meeting and compliance to the decisions should be uploaded on the institutional website.
- Mandatory submission of AQARs on a regular basis for institutions undergoing the second and subsequent cycles of Assessment and Accreditation by NAAC.
- Upload the AQAR's on institutional website for access to all stakeholders.

Place : Bengaluru

Date : 1st August 2018

Prof. S. C. Sharma

Director

Amal
Principal

Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur

T. Gaikwad
Principal

Tulsiramji Gaikwad-Patil
College Of Engineering &
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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

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डॉ. वहीदुल हसन

वरिष्ठ संचार एवं प्रकाशन अधिकारी

Dr. Wahidul Hasan

Senior Communication cum Publication Officer

NAAC/WH/Cert-AU / EC- 82 /243/ 2022/

22nd December 2022

The Principal
Tulsiramji Gaikwad-Patil
College of Engineering and Technology
NH-07, Mohgaon, Wardha Road,
Nagpur - 441 108
Maharashtra

Dear Sir/Madam,

Greetings from NAAC,

This has reference to your letter Ref No. TGPCET/2022-23/440 dated 3rd December 2022 regarding the extended validity period certificate. We are in receipt of your original certificate sent by you.

The date mentioned in the certificate December 04, 2018 is the date of 82nd NAAC Executive Committee in which the decision to extend the validity for transition autonomous institutions was taken.

Please find enclosed the revised certificate of your Institution with extended validity for your kind perusal.

"Quality Assurance and sustenance is a continuous process. All Accredited Institutions are required to submit the Annual Quality Assurance Report (AQAR) to NAAC through online portal every year on or before 31st December".

Kindly acknowledge the receipt of the certificate.

Thanking You

Yours Sincerely,

(Wahidul Hasan)

Encls: a/a

Assessment and Accreditation Certificate

पो. ओ. बॉक्स नं. 1075, नागरभावी, बेंगलूरु - 560 072, भारत. P.O.Box No.1075, Nagarbhavi, Bengaluru - 560 072, INDIA

दूरभाष Phone : +91-80-23005132 (D), 23210281, 62, 63, 64, 65, फेक्स Fax : +91-80-23210270

ई-मेल : e-mail : whasan.naac@gmail.com, वेबसाइट : Website : www.naac.gov.in



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College Of Engineering & Technology



Annexure 02

**TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology**

Wardha Road, Nagpur - 441108

Accredited with NAAC A+ Grade

Approved by AICTE, New Delhi, Govt. of Maharashtra

(An Autonomous Institution Affiliated to RTM Nagpur University)List of Guest Speakers in last one year (2021-22)

S.N	Name of Resource Persons	Designation of Resource Persons
1	Er. Satish Raipure	Structural Designer & Consultant
2	Er. V. M Galande	Structural Designer & Consultant
3	Er. Vijay Ranjan	Ranjan Regional Sales manager of BASF, The German Based Chemical Admixtures Company
4	Dr. Mahd. Nadeem	GM, (CS) Ambuja Cements Ltd
5	Er. K. C. Tayade	Principal of Regional Training Centre of Water Resources Department and Executive Engineer WRD, Nagpur
6	Er. Gajendra Godle	MaCX RSO Coach (Mcw) Ambuja Cement's Ltd
7	Er. P S Patankar	Structural Designer & Consultant
8	Er. Mahesh Waghmare	Ready Mix Concrete, Nagpur
9	Dr. Dilip Mase	Structural Designer & Consultant
10	Er. L. K. Jain	Consultant and member of Indian Std code
11	Er. O. N. Mukharjee	Hon. Secretary, IWWA
12	Dr. Sandeep Kumar Shukla	Quality Manager and Research Officer, Wainganga Division, Central Water Commission, Govt. of India.
13	Dr. Srikant Annavarapu	Director, Master Geotech Services Pvt. Ltd., Nagpur
14	Dr. Nagaraj Sitaram	Professor and Head of Department of Civil Engineering, East point college of Engineering and Technology
15	Dr. Shirish V. Deo	Associate Professor, National Institute of Technology, Raipur
16	Mr. Amit Deshmukh ,	Sparsh Technology
17	Mr. Rohit Puri,	Manager Salesfore Jungle , Nagpur
18	Mr. Kaustub Rokamwar,	Electrical Engg. MAHA DMA, OSMANBAD
19	Mr. Santosh Selokar,	Director SSIT
20	Prof. Sarvesh Warjurkar,	HoD, Information Technology, TGPCET, Nagpur
21	Prof. T. Anupama,	Professor, IBS Business School, Pune
22	Mr. Raj Arora,	Director, Revat Network, Nagpur

Principal

**Tulsiramji Gaikwad-Patil
College Of Engineering &
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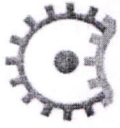
(An Autonomous Institution Affiliated to RTM Nagpur University)



List of Guest Speakers in last one year (2021-22)

23	Dr.Sanket Kasturiwala	Research & Development Manager Technoventor Innovation Pvt. Ltd
24	Mr. Abhijit Shukla	Founder & CEO ,Megapower Solar,Nagpur
25	Dr. Tapan Jain	HoD,ECE,IIIT,Nagpur
26	Mr. Sandip Lulekar	JTO BSNL Hardware & Network Engineer,Nagpur
27	Mr. Akhil Thakre	Founder of Tech Land Technology ,Nagpur
28	Mr.Dinesh Tundalwar	Director,MIT Infotech & Solution,Nagpur
29	Mr. Shailesk Karare	Technical lead Infosys,Nagpur
30	Mr.Adarkansh Sinha	Entrepreneur, CEO,Cyber C3
31	Dr.Prakas Rao	Scientist ISRO
32	Mr.P Nikhar	General Manager,Dr.Ambedkar ,International Airport Nagpur
33	Mr.P Nikhar	General Manager,Dr.Ambedkar ,International Airport Nagpur
34	Dr.Sheshrao Wankhede	Senior Engineer,Shetkari Sahakari Sutgirni LTD
35	Dr.Sanket Kasturiwala	Research and Development Manager,FAB LAB
36	Mr.Anil Tatode	Training Officer, RTMNU'S Robotics & Cloud Technology Department , Nagpur
37	Mr. Anil Tatode,	Training Officer, Dept. of Robotics & Cloud Technology, RTMNU, Nagpur
38	Mr. Swapnil Sawaimul	Automotive Systems EngineerTata Consultancy Services Nagpur
39	Mr. Piyush Bhatarkar	Senior Software Engineer Whirlpool of India
40	Mr. Parmeet Singh Bhatia	Cloud Infrastructure and DevOps Consultant Ryte GMBH Munich Germany
41	Mr. Gagan Thakur	Senior Software Engineer Nuance Communication
42	Mr. Sourobh Akulwar	Assistant Engineer, Bharat Forge Ltd.
43	Mr. Ankosh Sochdeo	Senior Business Development, Associate Manager, BYJUS.
44	Mr. Gopal Gupta	Design Engineer,CAD Tech Solution.
45	Mr. SaurabhAkulwar	Assistant Engineer, Bharat Forge Ltd.

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List of Guest Speakers in last one year (2021-22)

46	Mr. Shrirang R. Maddalwar,	Founder Greentech Solution, Nagpur.
47	Prof. Prashant Mawle	Dy. Director NPTI(WR) Nagpur
48	Dr. Anupreet Singh	Vice President (Operation), Asia pacific Commercial Aviation, Singapore.
49	Dr. D.A. Jolhe	Associate Professor, Department of Mechanical Engineering, VNIT, Nagpur.
50	Mr. Ashish Pahulkar	Additional Executive Engineer, Thermal Power Plant Koradi
51	Mr. Akshay Jain	Centre Head, LIVEWIRE, Nagpur
52	Dr. Chetan Singh Solanki	Professor, Department of Energy Science & Engineering, IIT Bombay
53	Mr. Naval Damle	Assistant Engineering, Super Thermal Power station, Chandrapur
54	Mr. Uday Muthal	Deputy Executive Engineer, Korathi Training Centre Mahadula, Nagpur
55	Mr. Kaustubh Rokamwar ,	Electrical Engineer Director of Munipal Administration ,Kalamb, Yavatmal
56	Mr. Sammer Petkar	Deputy Manager ESAB India Limited, Nagpur



Principal
Principal

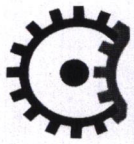
Principal
Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur

Principal
Principal

Principal
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Technology, Nagpur



Annexure 03

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Wardha Road, Nagpur - 441108

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(An Autonomous Institute Affiliated to RTM Nagpur University)**List of Workshops****A.Y. 2021-2022**

Sr. No.	Title of Activity	Date of activity	Name of resource person	Designation and Affiliation of Resource person	Name of Professional Society	No. of students Benefited
1	All India Workshop on-"Application of Advance Surveying Instruments"	20/12/2021	Er. Ashwin Chandsarode and Er. Sumit Bagmar	Technical Training Head, Nagpur	ARTEX forum in association with ISTE & IE(I)	82
2	Workshop on-" Coal to electricity"	19/08/2021	Mr. Vijay Gadewar	Technical Training Head. Adani Power, Tiroda	ISTE & IE(I)	85
3	New and Innovative ideas for the Product Development	16/03/2022	Mr. Manish Hatwar	Director Project Management GE Renewable energy Germany	ISTE & IE(I)	84
4	Introduction of Robotics and Automation	16/03/2022	Mr. Anil Tatode,	Department of Robotics and cloud technology RTMNU Nagpur	ISTE	76
5	Workshop on Management techniques of Chhatrapati Shivaji Maharaj	19/02/2022	Dr. Amol O. Pusadkar		ISTE	69
6	Expert	30/09/2021	Dr. Ravindra	Government	ISTE	72

[Signature]
Principal
Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur



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	Lecture on Solar Energy: Indian Scenario		Babu Yarasu, Associate Professor,	engineering college Nagpur		
7	Workshop on- "Intellectual Property Right and Patent Information System".	11/09/2021	Mrs. Chhaya Satpute, Rajiv Gandhi	National Institute of Intellectual Property Management, Nagpur	ISTE & IE(I)	80
8	Workshop on- "Non Destructive Testing and its Application".	13/09/2021	Mr. Vatan Ukey,	Director Aruna Engineering and Inspection services, Nagpur	ISTE	92
9	Workshop on- "Mechanical, Thermal and Electro-technical Calibration".	20/04/2022	Mr. Anil Chaoudhari,	Technical manager, ACME Enterprises, Nagpur	ISTE	88
10	Workshop on "Stock Exchange"	19/03/22	Mr. Sagar Tavar	Bombay Stock Exchange, Resource Person	ISTE	74

Principal

2022-23-05-48



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List of Webinars

A.Y. 2021-2022

Sr. No.	Title of Activity	Date of activity	Name of resource person	Designation and Affiliation of Resource person	Name of Professional Society	No. of students Benefited
1	E-expert of webinar on topic "Water Conservation"	24/04/2021	Er. Minal Dehadrai	Managing Director, Aquabes structural consultant Pvt. Ltd., Nagpur	IWWA	105
2	National webinar on, "Employment Opportunity in Engineering- Post Covid Challenges"	09/05/2021	Dr. Virendra Dehadrai	Director, Aquabes structural consultant Pvt. Ltd., Nagpur	AIE,ICE	400+
3	Guest Lecutre on "Durable-Sustainable,Concrete by utilization of Ultra Fine SCM's"	07/08/2021	Dr. Mohammad Nadeem	Vice President, Ambuja Cement, Mumbai	ICI, IEI & ISTE	86
4	Guest Lecture on Topic- " Drone Technology of Environmental Engineering"	23/08/2021	Mr. Piyush Kokate,	Senior Scientist, Energy and Resource Management division, CSIR, NEERI, Nagpur	IWWA, ISTE, IEI	83
5	Guest Lecture on- " Introduction to HEC-RAS Software"	11/09/2021	Mr. Vignesh Ayyar	Associate Engineer at STANTC, Pune	ISTE, IEI and IWWA	88
6	Guest Lecture on- "Concrete- Yesterday, Today's & Tomorrow".	17/09/2021	Dr. Aun Pofale	Emininet Professor VNIT, Nagpur	ISTE, ICI, IEI	94
7	Guest Lecture on- " Advances in Pre-Engineered Structures"	28/09/2021	Er. Yamini Dadwe	Director, Accurate Mega Structure, Nashik	ICI,IEI & ISTE	100



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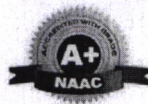
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8	"Career in Interior Designing & Opportunities"	17/09/2021	Mr. Harsha Rambhade	Interior Designer at Ambience Home, Nagpur	ICI,IEI & ISTE	90
9	Webinar on- "Top Trending Technology in Industries"	14/08/2021	Mr. Piyush Bhatulkar	Senior Software Engineer, Whirlpool of India	ISTE	71
10	Webinar on- "Cloud Computing"	21/08/2021	Mr. Parmeet Singh Bhatia	Cloud Infrastructure developer Consultant, RYTE GMBH, Munich, Germany	ISTE	70
11	Webinar on- "How to Prepare for Interview"	25/09/2021	Mr. Gagan Thakur	Senior Software Engineer, Nuance Communication	ISTE	76
12	Webinar on, "Research Design in Research Methodology"	10 /09 /2022	Dr. Mukul Burghate	Associate Professor, PDIMTR, Nagpur	ISTE	87
13	Webinar on, "Fundamentals of Marketing"	17 /09 /2022	Dr. Padmakar Shahare,	Associate Professor, MIT ADT University, Pune	ISTE	91
14	Online Guest lecture on "Salesforce"	23/04/2022	Ms. Madhu Kumari	Salesforce Developer, Teqfocus Pvt.Ltd..Ranchi	ISTE	50

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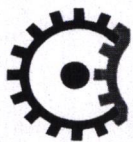
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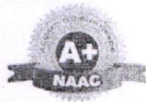
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15	Online Guest lecture on "Use of Distributed DBMS in IT Industry"	05/06/2021	Mr. Tushar Meshram,	Delivery Manager, Yalamanchilli, Nagpur	ISTE	43
16	Online Guest lecture on "Advancement in Web Technologies"	29/05/2021	Mr. Santosh Shelokar	Managing Director, SSIT, Nagpur	ISTE	80

Principal
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Annexure-04

**TULSIRAMJIGAIKWAD-PATIL College of Engineering and Technology**

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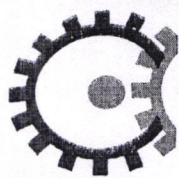
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(An Autonomous Institute Affiliated to RTM Nagpur University)**Knowledge Tie-Ups with Institutes/bodies****A.Y. 2021-2022**

Sr. No.	Name of MOU	MOU Date	Valid up to	Dept.
1	Sensors & System Industrial Solutions PVT. LTD.	01st September 2021	01st September 2026	IT Dept
2	Redats Infotech, Nagpur	22 th January 2021	22 th January 2026	IT Dept
3	Wigs Tech Industrial Development, Micro Controller Based Project & Services), Nagpur	13 th August 2021	13 th August 2026	ECE Dept
4	National Infotech	18th July 2022	17th July 2027	ECE Dept
5	Info Sai Softwares, Nagpur	19th January 2021	19th January 2026	CSE Dept
6	Axis Bank	05th June 2021	04th May 2026	Institute Level
7	Mesh Metric Solution	23rd September 2021	Mutually	Institute Level
8	Sandip Dwellers Pvt. Ltd.	04th June 2021	Mutually	Institute Level
9	SEGI University Sdn Bhd, Malaysia	11th February 2021	10th February 2026	Institute Level
10	Uplift Incubator Zone Pvt.Ltd.	27th August 2021	27th August 2026	Institute Level
11	Butibori Manufacturing Association	No time period is mentioned	Mutually	Institute Level
12	MIDC Industries Association	No time period is mentioned	Mutually	Institute Level
13	Wings Tech, Nagpur	13th August 2021	13th August 2026	Institute Level
14	LIVEWIRE (Live Tech Skill)	27th September 2021	26th September 2024	EE Dept
15	PM Solar Solution	20th August 2021	19th August 2026	EE Dept
16	National Infotech	18th July 2022	17th July 2027	EE Dept
17	BECQUEREL INDUSTRIES PVT. LTD. NAGPUR, INDIA	21st August 2021	20th August 2024	Civil Dept

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Vidarbha Bahu-uddeshiya Shikshan Sanstha's

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College of Engineering & Technology

Mohgaon, Wardha Road, Nagpur - 441 108 Tel: 07103-645411 / 10 Mob: 09763711372
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E-mail: principal@tgp cet.com Website: www.tgp cet.com

An IAO & ISO 9001:2015 Certified Institution

Memorandum of Understanding

Between

Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur

and

SEGi University Sdn Bhd

INTRODUCTION

Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur

Vidarbha Bahu-Uddeshiya Shikshan Sanstha (VBSS) provides education in various sectors such as Engineering & Technology, Science, Management, and Architecture and also runs International School. Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET), Abha Gaikwad-Patil College of Engineering and Tulsiramji Gaikwad-Patil College of Architecture are premium upcoming Engineering colleges in central India. All the institutes are accredited by National Assessment and Accreditation Council (NAAC), Bangalore and TGPCET is awarded with A+ Grade by NAAC, Bangalore recently looking at the credentials of the institute. The management of TGPCET consists solely of persons not only with academic background but with actual classroom teaching experience. The college has hosted a series of National & International Conferences and conducted social activities, workshops & seminars in which Industry experts, professors from renowned Institutions shared their expertise and experience.

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) is part of the Gaikwad-Patil Group of Educational Institutes, Nagpur. The institution is relatively young but in a short span of time it has established its credential as a progressive centre for higher learning in the region. The young professionals who comprise its management are always seeking opportunities to enhance value for their students, faculty and society. They have a penchant for taking on devising innovative solutions to meet increasingly complex challenges. The institution has a well appointed campus with every necessary facility in engineering, science and management disciplines. The institution has many young and talented faculty members whom it wants to help in acquiring higher qualification to enhance their value and career prospects, and in the process raise the quality of its human resource.

Page 1 of 5



GAIKWAD-PATIL
GROUP OF INSTITUTIONS

Office Address:

Ojaswini Complex Gayatri Nagar, IT Park Road
Nagpur - 440 022 Tel: 0712 664 8252 Fax: 0712 224 0656
E-mail: vidarbhabuss@yahoo.co.in

Courses Offered:

Diploma in Engineering | B.E | M.Tech | M.B.A | M.C.A.

Principal

Tulsiramji Gaikwad-Patil
College Of Engineering &
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SEGi University Sdn Bhd (SEGi) is a private tertiary institution for accounting, early childhood. Engineering, business etc. in Kota Damansara, Selangor. SEGi is one of the largest private higher education providers in Malaysia. It was known as SEGi University College until 2012, when the Ministry of Education announced its upgrade to university status. SEGi has five campuses, which are in UEP Subang Jaya, Kuala Lumpur, Penang and Sarawak.

Tulsiramji Gaikwad-Patil College of Engineering and Technology, Nagpur (TGPCET) and SEGi recognize their strengths in research and education in one or more disciplines of science engineering, management and social sciences, and their mutual interest in engaging themselves in academic cooperation.

TGPCET and SEGi therefore agree to establish a programme for academic cooperation in the areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

A. Objectives

The goal is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions. TGPCET and SEGi agree:

- a) To exchange information on research and educational programmes
- b) To exchange information on teaching, learning material and other literature relevant to their educational and research programmes
- c) To jointly organize Short-Term Continuing Education programmes on topics of mutual interest and to invite each other's faculty to participate therein.
- d) To jointly organize Seminars, Conferences, or Workshops on topics of mutual interest and to invite each other's faculty to participate therein
- e) To jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein
- f) To exchange, on a reciprocal basis, students at Undergraduate, Graduate and Doctoral levels for limited periods of time for purpose of education and /or research.

TGPCET and SEGi further agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two institutions. These terms shall include a technical description of the proposed activity, financial arrangements, and person(s) responsible for its implementation, etc.

B. Joint Sponsored Research, Development and Consulting

TGPCET and SEGi agree to help identify and invite faculty members from the other institution to participate in research or development programmes. The terms and conditions for such participation will be worked out by mutual agreement between TGPCET and SEGi.

C. Exchange of Faculty, Scientists and Staff

TGPCET and SEGi agree to encourage collaboration between Faculty and Scientists from the two

short visits to, or take up fixed-term visiting assignments at, each other's institution as per the existing norms. Terms and conditions for each visit or an assignment, including those concerning stipend, travel, and housing, name of the concerned faculty member will be worked out between TGPCET and SEGi. Notwithstanding the above, TGPCET and SEGi will examine ways to identify financial resources to fund international travel by their faculty/scientists/students.

D. Student Exchange

TGPCET and SEGi University agree that student exchange will be guided by principles listed below.

A home institution refers to the institution where a student is a full-time student, and from where he/she is expected to graduate. A host institution refers to an institution that receives a student for a brief period of time to undertake a pre-determined programme of study or research.

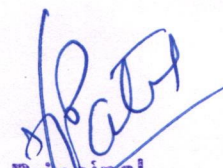
- a) Exchange students will be selected by mutual agreement between the home institution and the host institution.
- b) An exchange student will continue to be treated as full-time student at his/her home institution.
- c) An exchange student will be considered as full-time "exchange" student at the host institution.
- d) His/her programme of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.
- e) The host institution will evaluate an exchange student's performance in each course or module, award a letter grade or marks, and issue a letter to that effect.
- f) The home institution may award to the exchange student credits earned at a host institution, but only after the home institution has established correspondence between courses taken at the host institution vis-a-vis those offered at the home institution.
- g) If an exchange student has undertaken research, then the host institution will evaluate the exchange student's performance in the research, and issue a letter to that effect, together with a technical "report" of the research carried out.
- ~~h) If an exchange student has undertaken research, then the home institution will take note of the performance evaluation and the technical report, and take steps in accordance with its own procedures.~~
- ~~i) The entire cost of study of such students will be fully borne by the candidate himself/herself during the course of their stay by covering boarding lodging, travel and contingencies etc.~~
- j) The exchange students will pay tuition and other fees at their home institution.

E. Exchange of Scientific and Technical Material

TGPCET and SEGi will exchange information on research and educational programmes and teaching/learning material and other literature relevant to their educational and research programmes. Further, TGPCET and SEGi agree to explore ways to share teaching/learning material, and other relevant literature, while respecting each other's intellectual property and other rights.

F. Joint Conferences, workshops and short-term courses

TGPCET and SEGi agree to hold joint conferences


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G. Intellectual Property

TGPCET and SEGi agree to respect each other's rights to intellectual property. Further, the intellectual property rights that arise as a result of any collaborative research or activity under this MoU will be worked out on a case-by-case basis, and will be consistent with the officially laid down IPR policies of the two institutions.

H. Co-ordination

Each institution shall appoint one member of its teaching/research faculty to coordinate the programme on its behalf. Further, a coordination committee, consisting of (a) Principal/Director TGPCET, or his/her nominee, (b) Vice-Chancellor, SEGi University, or his/her nominee, (c) Programme coordinator from the side of TGPCET, and (d) Programme Coordinator from the side of SEGi, University, will periodically review and identify ways to strengthen cooperation between the two institutions.

I. Tenure and Termination

This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for five years, and may be continued thereafter after suitable review and agreement. Either institution may terminate the MoU by giving written notice to the other institution six months in advance. Once terminated, neither TGPCET nor SEGi will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, TGPCET and SEGi will ensure that all activities in progress are allowed to complete successfully.

J. Arbitration Clause

Should there be a dispute relating to any aspect of academic cooperation, Principal/Director TGPCET and Vice-Chancellor, SEGi University will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

This MoU overrides any prior discussion, correspondence, understanding that may and may not have taken place by and between the parties.

Signed and executed this 11th day of February 2021 by SEGi University Sdn Bhd and Tulsiramji Gaiwad-Patil College of Engineering and Technology, Nagpur with the seals of both parties affixed herewith.

On behalf of SEGi, University Sdn Bhd

On behalf of TGPCET, Nagpur

Signature

1. Dr Doris Alexius
Deputy Vice-Chancellor
Dr. Doris Alexius
DVC, Academic

2.

Signed in the presence of

Dr Chie Chie Ming
Dean
Faculty of Engineering,
Built Environment & IT
SEGi University

Signature of Witness

Seal of the University

SEGI UNIVERSITY
No. 9, Jalan Teluk... Selangor,
Kata Damansara, PJU 3, 47810 Petaling Jaya,
Selangor, Malaysia.
Tel: +603-6145 2777 Fax: +603-6145 2666

Signature

1. Dr. S. S. Rathore
Principal

2. Prof. Sandeep Gaikwad
Treasurer, GPGL

Signed in the presence of

Vidarbha Bahu-uddeshiya
Shikshan Sanstha, Nagpur

Signature of Witness

Seal of the Institution



Principal

Tulsiramji Gaikwad-Patil
College Of Engineering &
Technology, Nagpur