

Annual Report 2014-2015



K.E. Society's

Rajarambapu Institute of Technology

(An Autonomous Institute)

Rajaramnagar, Islampur,

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FOREWORD



It is a matter of deep sense of satisfaction and a moment of pride to present the annual report of K.E. Society's Rajarambapu Institute of Technology, Rajaramnagar for the year 2014-2015. We are happy to present the achievements and the progress, we have made during the last year to improve our academic offerings and students learning experiences.

An autonomous RIT is making progress towards providing the best in class learning environment by adopting the best practices and innovative pedagogical tools. Our efforts are on towards creating a dynamic research ambience to promote research and innovations at all levels.

We would like to extend our sincere thanks to our distinguished members of Board of Governors, Academic Council and Board of Studies, Faculty, Students, Alumni and Industry partners for their continued support and remarkable contribution. Looking forward, we will continue to work towards achieving our vision of transforming young minds in to competent engineers to face global challenges.



Dr. Mrs. S. S. Kulkarni
Director



Hon. Bhagatsinh Patil
BOG, Chairman

KASEGAON EDUCATION SOCIETY

Kasegaon Education Society is one of the leading educational organization in the Western Maharashtra. It was established in 1945 by Late Shri. Rajarambapu Patil, the leading statesman. Considering the need of time, the society focused its attention on taking the education to the threshold of the rural masses. The Society started schools in the nearby villages and a hostel for backward class students at Kasegaon.

After the untimely and sad demise of Shri. Rajarambapu Patil in 1984, it was Shri. Jayant Patil, his son, who alike his father entered his public life through educational activities. He shouldered the responsibility of Kasegaon Education Society. Shri Jayant Patil took the Society with time, diversifying its educational facilities. Today the Society has 31 primary & secondary schools and 15 higher educational institutes under its roof. This includes mainly three arts, commerce & science colleges, two information technology institutes, an engineering college, a polytechnic, two management institutes, a nursing institute, an agricultural polytechnic, a pharmacy college and an international school.

The Society has been conferred with prestigious award like 'Dr. Babasaheb Ambedkar Dalitmitra Puraskar', 'State award for Educational Institutes'. Certificates of appreciation have been also awarded to the Society by C-DAC & MKCL for its exemplary contribution towards computer literacy.

Rajarambapu Institute of Technology established in 1983 has proved to be a landmark development of the Society as well as an instrument for expanse of its horizon.



RIT AT GLANCE

- Accredited by Institution of Engineers (India), Kolkata
- Accredited by Tata Consultancy Services (TCS).
- Scholarships for meritorious students
- First Graduation Ceremony of M. Tech. & MBA post graduates held on 10th November, 2013 at the auspicious hands of Padm Bhushan Hon. Ratan Tata in year 2013-2014.
- International students under PIO quota have taken admissions to UG and PG programmes, i.e. B. Tech. and MBA.
- Enormous opportunities for sports and extracurricular activities.
- Infosys Campus Connect programme to provide soft skills.
- Excellent computer center (CAD) with softwares worth Rs. 1.50 Crore.
- RIT has a dedicated R&D cell to nurture the research, innovation and entrepreneurship ideas among faculty and students. Institute has 25 provisionally registered patents.
- We have received grants worth Rs. 1.50 Crore in last three years from AICTE, DST and industries and five products are in the final phase of commercialization. We have established Centre for Innovation, Incubation and Entrepreneurship Development (CIED).
- Mini Projects for the First year students have been incorporated in the curriculum in the order to enhance and utilize the creative potential of the students and built positive attitude, which will help them in their social & technical life ahead. Professional Skill Development introduced as credit course in 1st, 2nd & 3rd year with focus on communication & English language enhancement.



- Round the year webinars from IUCEE (Indo-US Collaboration for Engineering Education). IUCEE was conceptualized by over 150 leaders of Engineering Education and business from USA and India. Enjoying status of regional chapter and organized Online Webinars, Conferences, Workshops & Expert lectures through Indo-US chapter. Recently two faculties Prof. Sachin Patil, CSE Department and Prof. S. R. Kumbhar, Automobile Engineering Department have delivered National level webinar under this platform.
- RIT Finishing School is established to offer the skill based short term courses in the field of CAD/CAM/CAE, Product Design & Development.
- Talent pipe line project with Bharat Forge Ltd., Pune
- RIT bagged Sustainable Institute Industry Partnership (SIIP) 2014 award for engineering college at IIT, Chennai given by SEED i.e. Sustainable Engineering Entrepreneurship Development organization.
- Life Institutional Membership of The Institution of Engineers (India) is granted to RIT on 12th December, 2014.
- ICT is effectively used in Teaching Learning Process –We are extensively using NPTEL Lectures, Blended Moocs with IIT, Powai.

- Moodle Server is implemented for creating virtual learning environment & for e-resources content management.
- DQ-CMR Top T-Schools Survey 2013 - Ranked 52nd as India's Top Engineering Colleges 2013-2014.
- Every semester we conduct an Academic Audit for all courses being taught in that semester. The objective is to enhance the quality of teaching-learning process and facilitate the learning of all students. A methodological approach is laid for conducting the audit.
- Alumni are spread all around the world and we publish RIT Communique's an Alumni Newsletter every Quarter to remain connected with them. 21 issues are published.
- Institute was selected among 100 engineering colleges in India for QEEE (Quality Enhancement in Engineering Education) pilot program implemented from January, 2014. Two semester courses for about 30 courses have been delivered. Nearly 2,000 students have attended these courses.
- RIT is ranked amongst first ten in the Survey of Industry-linked Engineering Institutes done by AICTE 2010-2011
- Institute has carried out Strategic Planning for five years with SWOT analysis and prepared one page strategic plan as per Gazelles inc. (Verne Harnish) from 2009. As per this strategic plan annual goals have been decided and Key Result Areas (KRA) defined for all the faculty members along with Director. Based on KRAs achieved, incentives and rewards are given every year up to 5% of salary.
- RIT has bagged Sri V.V.R. Seshadri Rao, Gudiavelleru Engineering College National Award for "The Best Private Engineering College 2013" by ISTE, New Delhi in year 2013-14.
- RIT ranked 57th in CSR - GHRDC ENGINEERING COLLEGE SURVEY 2013 as top Private Engineering Colleges in India & ranked 6th as top Engineering College in State of Maharashtra, 2012-2013.
- RIT rated 30th in the Top 50 Private Engineering Colleges in India by Dainik Bhaskar Lakshya, 2012-2013.
- ISTE – 'Best Engineering College Teacher Maharashtra State 2011' award received by Prof. M. T. Telsang in recognition of outstanding contribution to Academic Community in year 2011-2012.



OUR VISION AND MISSION



Vision

Transformation of young minds in to competent engineers to face global Challenges.

Rajarambapu Institute of Technology has an ambitious vision of transforming the young minds into competent technocrats and managers to practice their profession in a boundary less world. Towards the attainment of this vision, the institute is to be recognized as one of the premier institution in Engineering and Management education, research and transfer of knowledge for the benefit of local as well as global society. It intends to be world class institute creative in character, with innovation high on agenda.

The Institution dreams big, think great and intends to be heading towards world class education by using autonomy effectively and contribute to the industrial development of the area. The trustee's of the Society and the Board of Governors are visionaries, imaginative and committed to the cause. They are fully conscious about the changes that are happening at the global level and motivate and guide to set the institute responsive to the dynamics of change.

Mission

To offer the state of art technical education programs to shape promising engineers with requisite skills, knowledge, research aptitude, values and ethics ensuring rewarding careers.

Through this mission, RIT commits to deliver the world class quality educational programs both at under graduate and post graduate level, relevant and purposeful matching with opportunities with judicious focus on both theory and practice. The management and faculty put up relentless efforts to foster the learning culture and promote the learning opportunities to develop the student with knowledge, skills and competencies for seeking the career opportunities of their choice.

The institute fosters research culture and focus on technological innovations and development of relevant technologies that are sustainable, inclusive and for the benefit of all the sections of the Society. A strong Industry–Academia interaction for mutual benefit, which is built on the strong foundations of mutual trust. This interaction will help students to acquire industry relevant practices, bridge the gap between the theoretical concept and industry practices and promote industry relevant research.

Core Values

- **Practice What we Preach** : Total transparency in behavior and dealing with each other. For, we do what we say and say that which we could do.
- **Joy of Learning** : Learning is effective life preparation, leaving a sound foundation. We believe this cannot happen unless one loves learning really enjoys it.
- **Each one can Excel** : We believe everyone is potentially gifted. We are there for enkindling the latent potential to achieve our dreams and goals.
- **Fairness & Equality** : When nature has taken care that each species has some added advantage over other to ensure equality, we must demonstrate it. It will remove mistrust: will not let discrimination of any kind.
- **Cooperation** : Together we stand; divided we fall.
- **Honesty & Sincerity** : Self-conscious is best judge for moral merit. Let's not small in our own eyes.

Quality Policy

We are committed to impact quality education in Engineering & Management keeping in mind global trends and the needs of the industry in a rapid changing environment.



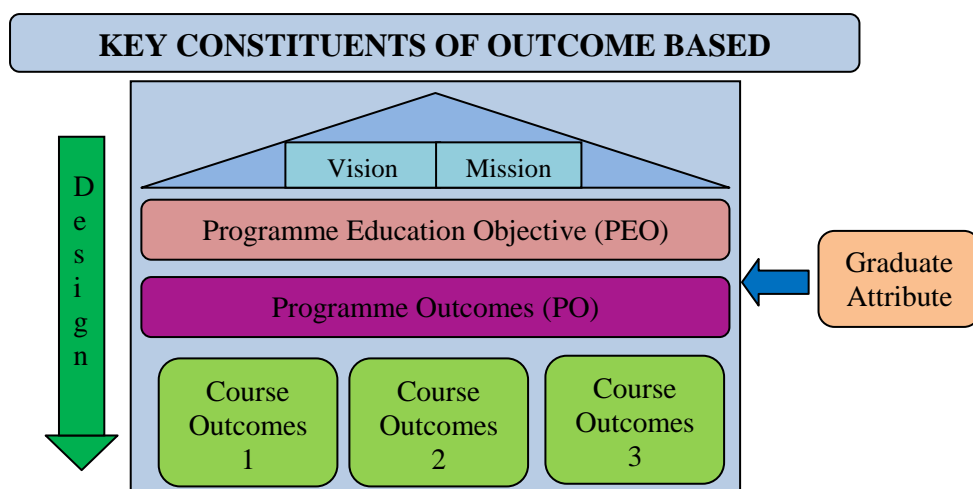
ACADEMICS AT RIT

RIT is an autonomous institute affiliated to Shivaji University and it has implemented OBE model of education, which is a learner centered approach. RIT has witnessed a sea change in the entire academic systems since last 4 years and also successfully transitioned from a traditional university affiliated institute to an autonomous institute with implementation of all three components of OBE – Design, Delivery and Assessment. The RIT model of autonomy focuses on experiential learning which believes in learning by doing. This is achieved through hands on experience, industrial assignments, mini projects and live problem solving.

RIT set in to dynamics of transformation and witnessing a shift in focus from teaching to learning and entire academic system of RIT is designed to provide multiple learning opportunities for students to acquire and demonstrate the knowledge, skills and competencies for rewarding career.



The Vision and Mission of the Management, contribution from eminent BOG members and knowledgeable members of Academic Council and Board of Studies, the motivation and drive of the Director, the relentless efforts of the fellow Deans and Head of Departments and all teaching and non teaching staff along with commitment to learning of students made it possible to successfully transform the institute and stand out to carve a niche for itself as an Institute of repute.



The quality of the academics at RIT depends upon the three important constituents of OBE i.e. Design of Curriculum, Delivery and Assessment.

The Graduate Attributes published by NBA, the technological trends and advances in technology in the specific domain, the expert's suggestion and guidelines from the BOG, Department Advisory Board members and Academic Council helps to design the curriculum which meets the Program Outcomes and Program Educational Objectives. It is not sufficient to have the best curriculum. But the delivery mode to match the learning styles is equally important to achieve the Course and Program Outcomes.



Multiple learning opportunities are given to students to learn the way they want. The teacher uses variety of delivery techniques to enhance the learning effectiveness with respect to traditional lecture to flipped classrooms. Project Based Learning (PBL) and Problem Based Learning are the effective tools used by faculty to have better learning. The RIT faculty has accepted the challenges of matching

the teaching styles and delivery technologies with learning ability and learning styles of students. A good transformation is on the agenda from traditional lecture based learning to the Learner Centered Approach.

Academic Planning and Monitoring

Assessment is the important component of learning and RIT uses assessment as a power tool to evaluate the effectiveness of learning of the students. We believe that the assessment gives the feedback of students and drives the learning.

RIT has implemented the phased assessment system and weightage are given. The entire component of assessment is divided into three components. The ISE is spread over the entire semester and gives the opportunity for the teacher to use multiple techniques appropriate to the course from the basket of techniques. The projects, mini projects and seminars will give the students the opportunities to identify and collect the relevant data and implementing the best solution.

Thus, RIT has created the right ambiance for learning and the various opportunities with MOOCS, QEEE classrooms and Webinars from IUCEE. All these give excellent sources for learning made available to students. RIT practices 100 percent transparency in assessment and provides remedial coaching for slow learners.

RIT has good mix of young and experienced faculty which blends together in giving varied learning opportunities to students. Faculty members always strive to give strong hand to give their best.

STUDENT ENROLLMENT

Rajarambapu Institute of Technology, an autonomous institute since 2011-2012, offers 7 Under Graduate programs leading to B.Tech degree, 10 Post Graduates programs leading to M.Tech degree, 3 research programs leading to Ph.D. an MBA program and 2 Diploma programs for the academic year 2014-2015.

Programs Offered with Intake Capacity

Sr. No.	Program	Year of Estb.	Intake capacity	Accreditation status
	Under Graduate Program (B.Tech)			
1	Automobile Engineering	1983	60	Provisionally Accredited
2	Civil Engineering	1992	60	Accredited
3	Computer Science & Engineering	1999	60	Provisionally Accredited
4	Electronics & Tele Communication	2002	60	Provisionally Accredited
5	Electrical Engineering	2004	60	Provisionally Accredited
6	Information Technology	2001	60	Provisionally Accredited
7	Mechanical Engineering	1987	120	Provisionally Accredited
	Total UG		480	
	Post Graduate Program (M.Tech)			
8	Automobile Engineering	2010	18	Applied
9	Mechanical - Design Engineering	1997	24	Provisionally Accredited
10	Mechanical - Production Engineering	2004	18	Committee visited, Result awaited
11	CAD/CAM/CAE	2009	18	Applied
12	Civil - Construction Management	2010	18	Applied
13	Civil - Structural Engineering	2004	24	Committee visited, Result awaited
14	Electronics Engineering	2002	18	Provisionally Accredited
15	Electronics - Digital System	2011	18	Not Eligible
16	Electrical - Power Systems	2011	18	Not Eligible
17	Computer Science & Engineering	2011	18	Not Eligible
18	MBA	1994	120	Not Accredited
	Total PG		312	
	Diploma Program (2ndShift)			
19	Civil Engineering	2014	60	Not Eligible
20	Mechanical Engineering	2014	60	Not Eligible
	Total Diploma		120	
	Ph.D. Program			
21	Civil Engineering	2011		
22	Electronics Engineering	1999		
23	Mechanical Engineering	2011		
	Grand Total – UG + PG + Diploma		912	

Proposed Programs from Academic Year 2015-2016

Sr. No.	Program	Intake
	M. Tech Program	
1	Heat Power Engineering	18
	Diploma Program (Second shift)	
1	Automobile Engineering	60
2	Electrical Engineering	60

Enrolment of First Year Students Under Graduate

Sr. No.	Program	Students admitted to First Year				
		Intake	2012-2013	2013-2014	2014-2015	PIO quota 2014-15
1	Automobile Engineering	60 + 3	61	62	62	0
2	Civil Engineering	60 + 3	62	62	63	5
3	Computer Science & Engg.	60 + 3	62	63	63	1
4	Electrical Engineering	60 + 3	62	63	63	2
5	Electronics & Tele Comm.	60 + 3	63	62	63	2
6	Information Technology	60 + 3	60	62	56	4
7	Mechanical Engineering	120 + 6	126	124	125	0
	Total	480 + 24	496	498	494	14

Post Graduate

Sr. No.	Program	Intake capacity	Students admitted to First Year		
			2012-2013	2013-2014	2014-2015
1	Automobile Engineering	18	18	17	18
2	Civil - Construction Management	18	18	18	17
3	Civil - Structural Engineering	24	18	18	24
4	Computer Science & Engineering	18	18	18	18
5	Power Systems	18	18	18	17
6	Electronics Engineering	18	17	18	18
7	Digital System	18	18	17	18
8	Mechanical - Design	24	18	18	24
9	Mechanical - Production	18	18	18	18
10	CAD/CAM /CAE	18	18	18	18
11	MBA	120	120	116	109 + 4 (PIO quota)
	PG Total	312	299	295	298

Diploma (Second Shift)

Sr. No.	Program	Intake capacity	2014-2015
1	Civil Engineering	60	14
2	Mechanical Engineering	60	32
	Diploma Total	120	46

Enrolment for Research Programs (Ph.D. Shivaji University)

Sr. No.	Name of the Branch	Total Enrollment	Ph.D. awarded till date	In progress
1	Civil Engineering	22	1	21
2	Mechanical Engineering	10	-	10
3	Electronics Engineering	30	10	20

Category wise Student Distribution & Enrolment

B. Tech

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2012-13	2013-14	2014-15
1	SC	13	50	49	53	45
2	ST	7	27	10	10	9
3	VJ	3	12	10	12	9
4	NT B	2.5	10	11	8	13
5	NT C	3.5	13	21	20	20
6	NT D	2	8	7	8	6
7	OBC	19	73	92	91	85
8	DEF	5	19	9	8	16
9	Physical Handicap	1	4	5	2	6
10	OPEN	50	168	154	155	171
11	MGT	20	96	95	96	89
12	TFWS	+ 0.5	24	24	23	23
13	PIO Admitted	+ 15	+ 72	0	0	14
14	Seats allotted against vacant seat	-	-	9	12	2
Grand Total			504	496	498	508

M. Tech.

Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2012-13	2013-14	2014-15
1	SC	13	18	10	16	13
2	ST	7	10	0	0	0
3	VJ	3	4	0	0	1
4	NT B	2.5	4	0	1	5
5	NT C	3.5	5	6	2	8
6	NT D	2	3	3	0	2
7	OBC	19	27	32	32	38
8	DEF	5	7	0	0	0
9	Physical Handicap	1	1	0	0	0
10	OPEN	30	78	128	84	75
11	MGT	20	40	0	40	43
12	Seats allotted against vacant seat	-	-	0	4	5
Grand Total			180	179	179	190

MBA

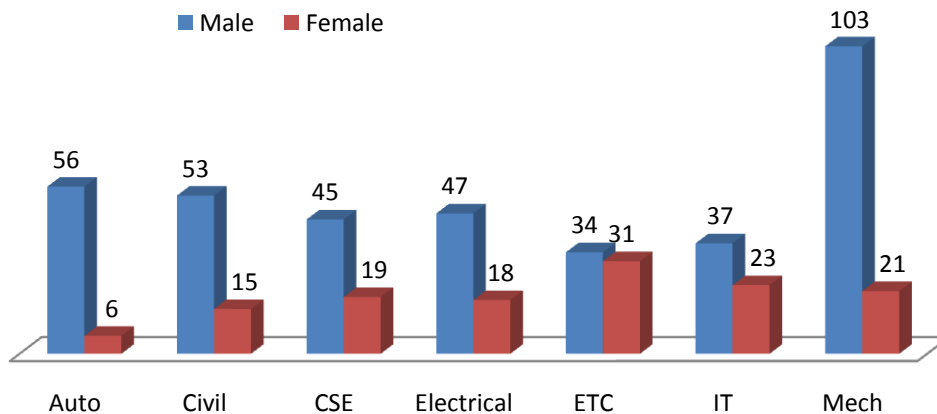
Sr. No.	Category	Quota in %	No. of Students in the category	Students Admitted		
				2012-13	2013-14	2014-15
1	SC	13	12	4	2	6
2	ST	7	7	0	0	0
3	VJ	3	3	1	0	0
4	NT B	2.5	2	0	0	1
5	NT C	3.5	3	3	1	1
6	NT D	2	2	1	0	0
7	OBC	19	18	17	3	11
8	DEF	5	5	0	0	0
9	Physical Handicap	1	1	0	0	0
10	OPEN	24	43	54	32	36
11	MGT	20	24	12	11	12
12	Seats allotted against vacant seat	-	-	28	67	33
13	PIO Admitted	15	18	0	0	4
	Grand Total		120	120	116	104

Distribution of Total UG Girls Students

B. Tech.

Sr. No.	Program	Girl Students admitted to First Year			
		Intake Quota	2012-2013	2013-2014	2014-2015
1	Automobile Engineering	60,	7	6	6
2	Civil Engineering	60	12	15	15
3	Computer Science & Engg.	60	28	28	19
4	Electrical Engineering	60	18	19	18
5	Electronics & Tele Communication Engg.	60	28	23	31
6	Information Technology	60	29	32	23
7	Mechanical Engineering	120	22	21	21
	Total	480	144	144	133

Student Distribution - Genderwise



Student Distribution of First year B. Tech – Gender wise

M. Tech.

Sr. No.	Program	Intake Quota	Girl Students admitted to First Year		
			2012-2013	2013-2014	2014-2015
1	Automobile Engineering	18	2	1	1
2	Civil - Construction Management	18	3	2	5
3	Civil - Structural Engineering	24	2	5	6
4	Computer Science & Engineering	18	11	9	7
5	Power Systems	18	4	10	7
6	Electronics Engineering	18	9	7	4
7	Digital System	18	7	4	10
8	Mechanical - Design	24	0	0	2
9	Mechanical - Production	18	1	0	1
10	CAD/CAM /CAE	18	0	0	1
	Total	192	39	38	44

MBA

Sr. No.	Program	Intake Quota	Girl Students admitted to First Year		
			2012-2013	2013-2014	2014-2015
1	MBA	120	54	65	40
	Total	120	54	65	40

Diploma (Second Shift)

Sr. No.	Program	Intake capacity	2014-2015
1	Civil Engineering	60	5
2	Mechanical Engineering	60	0
	Diploma Total	120	5

Region wise Students Distribution (B. Tech. program)

Sr. No	Name of District	No. of Students	
		2013-2014	2014-2015
1	Sangli	187	175
2	Satara	110	135
3	Kolhapur	62	43
4	Solapur	41	39
5	Beed	10	11
6	Chandrapur	09	09
7	Thane	08	0
8	Nanded	07	04
9	Osmanabad	07	12
10	Nagpur	06	03
11	Bhandara	05	04
12	Mumbai	05	03
13	Pune	05	13
14	Jalgaon	04	06
15	Ratnagiri	04	04
16	Parbhani	02	05

Sr. No	Name of District	No. of Students	
		2013-2014	2014-2015
17	Yavatmal	02	06
18	Latur	00	09
19	Buldhana	02	05
20	Others	19	14
	Total	495	500

Total No. of Students Enrolled for Academic Year 2014-2015

Under Graduate

Sr. No.	Program	2014-2015				
		FY	SY	TY	B. Tech.	Total
1	Automobile Engineering	62	75	85	96	318
2	Civil Engineering	69	76	78	99	322
3	Computer Science & Engg.	64	76	81	82	303
4	Electrical Engineering	65	76	79	91	311
5	Electronics & Tele Comm.	65	76	70	84	295
6	Information Technology	61	74	75	89	299
7	Mechanical Engineering	125	149	159	168	601
	UG Total	511	602	627	709	2,449

Post Graduate

Sr. No.	Program	2014-2015		
		FY	SY	Total
1	Automobile Engineering	18	17	35
2	Civil - Construction Management	18	18	36
3	Civil - Structural Engineering	25	17	42
4	Computer Science & Engineering	18	18	36
5	Power Systems	18	19	37
6	Electronics Engineering	18	18	36
7	Digital System	18	17	35
8	Mechanical - Design	24	18	42
9	Mechanical - Production	18	18	36
10	CAD/CAM /CAE	18	17	35
11	MBA	109	104	213
	PG Total	302	281	583

Diploma (Second Shift)

Sr. No.	Program	2014-2015			
		FY	SY	TY	Total
1	Civil Engineering	14	-	-	14
2	Mechanical Engineering	32	-	-	32
	Diploma Total	46	-	-	46

STUDENTS PERFORMANCE

RIT strongly believes that assessment drives students learning. Students are assessed progressively and the assessment systems are transparent and the bias is reduced to the minimum. The students get the timely feedback on assessment which helps them to improve their performance.

At undergraduate level, 20 percentage weightage is given to Multiple Choice Questions (MCQs) in End Semester Examination right from first year to orient the students for preparing students for GATE and other competitive examinations. Question papers are mapped with Course Outcomes (COs) which intern results in attainment of Program Outcomes (POs). Blooms Taxonomy is being used to raise the quality level of question papers. The evaluation system is 100 percent transparent and students get an opportunity to see their assessed answer sheet before the announcement of grades.



Performance of Final Year B. Tech Students

Sr. No.	Branch	No. of students appeared	No. of students Passed	Passed with		
				1 st class with Distinction	First Class	Second class
1	Automobile	96	87	14	42	30
2	Civil	98	95	15	46	31
3	Computer Engg.	83	82	19	37	21
4	Electrical	91	88	17	43	26
5	E & TC	84	84	28	34	22
6	Info. Tech.	89	89	21	40	28
7	Mechanical	167	164	57	77	30
	Total	708	689	171	319	188

B. Tech Program Top Performers

Sr. No.	Branch	Name of the Topper Student	CPI	Percentage
1	Automobile	Deshmukh Sunny Rajendra	8.29	77.90
2	Civil	Kadam Pratik Pramod	8.65	81.50
3	Computer Sci. & Engg.	Kumbharkar Prashantkumar Ajay	8.85	83.50
4	Electrical	Rao Pratik Girish	8.70	82.00
5	Electronics & Tele Comm.	Suryawanshi Pooja Pramod	8.84	83.40
6	Information Technology	Patil Vishakha Ashokrao	8.66	81.60
7	Mechanical	Pharande Sushil Mahadeo	8.77	82.70

Performance of M. Tech. Program

Sr. No.	Program	No. of students appeared	No of Students Passed	Percentage
1	Automobile	17	16	94.11
2	Civil – Structural	18	17	94.44
3	Civil – Construction Management	18	18	100.00
4	Computer Science & Engineering	18	17	94.44
5	Electrical – Power System	18	17	94.44
6	Electronics	18	16	88.88
7	Electronics – Digital System	17	16	94.11
8	Mechanical – Design	18	18	100.00
9	Mechanical – Production	18	17	94.44
10	CAD/CAM/CAE	17	17	100.00
	Total	184	176	95.65

M.Tech Program Top Performers

Sr. No.	Branch	Name of the Topper Student	SPI/ CPI	Percentage
1	Automobile	Patil Prathamesh Dattatray	8.64	81.40
2	Civil-Construction Mgmt.	Kanse Somnath Vasantrao	8.30	78.00
3	Civil-Structural	Jamadar Athar Maksud	8.57	80.70
4	Computer Science & Engg.	Omane Rajshree Raviraj	8.82	83.20
5	Electrical – Power Systems	Kharade Jyoti Mohan	8.38	78.80
6	Electronics	Yadav Sharad Ramrao	8.93	84.30
7	Electronics – Digital System	Kharat Ekanath Devidas	9.02	85.20
8	Mech-Design	Gosavi Pravin Sambhaji	9.06	85.60
9	Mech-Production	Kulkarni Amey Shashikant	8.39	78.90
10	CAD/CAM/CAE	Kadam Akshaykumar Vitthalrao	8.70	82.00

Performance M.B.A Program

Sr. No.	Program	No. of students appeared	No of Students Passed	Percentage
1	MBA	105	76	72.38

MBA Program Top Performers

Sr. No.	Branch	Name of the Topper Student	SPI/ CPI	Percentage
1	MBA	Yadav Priyanka Popat	8.58	80.80

Students Performance in GATE / CAT and other competitive examination

Year	GATE	GRE TOEFL	CAT/CMAT/ MBA CET	MPSC	Total
2013-2014	24	-	-	04	28
2014-2015	33	04	17	11	65

Sr. No.	Department	GATE	GRE	TOFEL	CAT	CMAT	MBA CET	MPSC	Total
1	Automobile Engineering	1	0	0	0	0	0	0	1
2	Civil Engineering	0	1	0	0	0	0	11	12
3	Computer Science & Engg.	4	0	0	2	7	5	0	18
4	Electronics & Tele Comm.	4	1	1	1	0	0	0	7
5	Electrical Engineering	3	0	0	0	0	0	0	3
6	Info. Tech.	9	0	0	0	0	0	0	9
7	Mechanical Engineering	13	2	1	0	0	0	0	17
	Total	34	4	2	3	7	5	11	55



RESEARCH AND INNOVATIONS

Rajarambapu Institute of Technology is making good efforts to create a research ambiance and develop a strong research culture amongst faculty and students. RIT is making a separate budget for Research and Development activities and in last couple of years Rs. 25.00 Lakhs was being spent annually for the research activities.

Our institute has emerged as one of the best self-financing academic institute across Maharashtra. To strengthen the research culture, RIT makes provision of separate budget for research and development activities every year. For last two years this budget was Rs. 25.50 Lakh per year. This budget has been utilized to support best projects undertaken by students and faculties. Strategic policies are devised to motivate students and faculty to develop innovative ideas. The R&D cell of RIT provides the essential support to convert innovative ideas into working prototypes. The R&D activities at RIT mainly focus on following aspects:

1. To increase involvement of UG and PG students in developing innovative ideas and converting them into working prototypes.
2. To enhance industry institute interaction for getting consultancy opportunities.
3. To increase publications in referred journal.
4. To file patents on innovative ideas.

To achieve R&D objectives, several initiatives have been taken:

1. Idea competition and idea register
2. Incentives and awards for R&D activities
3. In house Seed funding support to faculty and students.

The summary of present status regarding research activities with statistics of research publications, patents and some initiatives taken up to enhance the research activities in the college are given in the following tables:

Summary of papers published during 2013-14 & 2014-15

Year	International Journal		National Journal	International Conference	National Conference	Total
	H-index	Without H-index				
2013-14	7	69	1	107	02	186
2014-15	12	85	5	76	101	279
Total	19	154	6	183	103	465

Patents filed since 2011 and Status

Sr. No.	Patent app. No.	Title	Name of inventors	Status
1	1455/MUM/2015	System and method for detection of adulterated milk	Dr. A. B. Kakade	Under commercialization
2	1453/MUM/2015	Weed removal system and method	Dr. A. B. Kakade	
3	91/MUM/2014	Electronic baby cradle	Prof. M. S. Patil	Under commercialization
4	4087/MUM/2013	Tracking system for vehicles with people flow management	1. Prof. M. S. Kumbhar 2. Ms. S. S. Desai	
5	3867/MUM/2013	Automatic agricultural chemical sprayer	Mrs. J. S. Awati	Under commercialization
6	3521/MUM/2013	Pneumatic safety device	1. Mr. I. T. Mulani 2. Mr. V. S. More 3. Mr. A. K. Nagane 4. Mr. S. S. Gijare 5. Mr. S. M. Mulla	
7	3520/MUM/2013	An inflating arrangement	1. Mr. I. T. Mulani 2. Mr. V. S. More 3. Mr. A. K. Nagane 4. Mr. S. S. Gijare 5. Mr. S. M. Mulla	
8	3364/MUM/2013	Hinge system	Dr. A. C. Attar	
9	3363/MUM/2013	Electronic Geometric compass	Prof. S. R. Jagtap	
10	3434/MUM/2013	Interlocking bricks	1. Dr. A. C. Attar 2. Mr. A. K. Marunmale	
11	3271/MUM/2013	An apparatus for heart blockage diagnosis	1. Dr. A. B. Kakade 2. Prof. B. S. Shete 3. Mr. ShaileshKuthe 4. Mr. ManojLoankar 5. Mr. Sourabh Kulkarni	
12	2971/MUM/2013	Automatic curd machine	Dr. A. B. Kakade	Under commercialization
13	2971/MUM/2013	Vibration massager	Dr. A. B. Kakade	
14	2898/MUM/2013	Vibration absorber system	Prof. S. B. Kumbhar	
15	304/MUM/2013	A drying & roasting solar energy apparatus	Prof. S. B. Kumbhar	
16	265/MUM/2013	Automated chair for physiotherapeutic treatment	1. Prof. P. P. Deshpande 2. Prof. D. D. Divekar	

Curd Making Machine:



- Two provisional patents registered : 2972/MUM/2013 & 1455/MUM/2014
- Two models developed : Domestic up to 1 Liter & Commercial up to 15 Liter.
- Inventor : Dr. Anand Kakade (ETC Dept.) is starting his own start up.

Efficient Turmeric Processing Plant:

- Jointly developed with local Industry - M/S. Suresh Enterprises, MIDC, Sangli.
- Successfully field tested and ready for sale from this season. 20 to 30 % fuel saving is observed.



Center for Innovation, Incubation and Entrepreneurship Development (CIED)



Sowing the CIEDs for the better Future

In last few years India has seen phenomenal economic rise and also proven its dominance in the technology related fields on the Global scale. In order to sustain this growth in an ever changing, ever challenging global business environment, the speedy translation of innovative ideas into product processes and series for the market is the need of the hour.

In response to this, RIT has initiated setting up “Centre for Innovation, Incubation and Entrepreneurship Development” (CIED) at a most propitious moment when Innovation, Incubation and Entrepreneurship are playing a vital role in shaping national economies.

CIED provides as ecosystem for early stage techno-startups, which contribute to Social and Strategic sectors besides being responsible for generating employments and economic value. This mechanism will help our students, faculty and nearby community to turn their entrepreneurial vision into reality through an incubation experience.

CIED fosters innovation driven entrepreneurship through incubation by utilizing RIT’s existing physical infrastructure and expertise for training, idea generation, prototype development, preparing business plan and model helping disruptive innovations

(Winnovations) and aspiring entrepreneurs succeed commercially. We believe that entrepreneurship is the key that unlock India's latent inventive potential. It will not only push India to the forefront of the world but also help raise the quality of life in the country.

CIIED's true strength lies in its ability to accelerate the development of young entrepreneurial companies from the idea stage to independent self-sustaining successful business. This centre should be able to guide, mentor and grow the promising start ups as possible. In the incubator operations, speed is vital and networking support is critical.

With this belief the CIIED - Entrepreneurship Cell, targets to help in the development of RIT's entrepreneurial ecosystem by enabling easy and efficient interaction between its major components spanning students, working professionals, aspiring and existing entrepreneurs, mentors, angel investors, venture capital firms and corporate through initiatives like interactive sessions, competitions, conferences.

Objectives: CIIED should be able to,

1. Work on R&D for Industry mainly for local small and medium enterprises.
2. Address local problems & find innovative and viable solutions.
3. Promote culture of IPR, Technology Transfer & Commercialization.
4. Nurture and promote creative ideas for its conversion into successful products & Technologies.
5. Interfacing and networking between Academic, R&D institutions, Industries and Financial Institutions.
6. Create new techno-start ups.

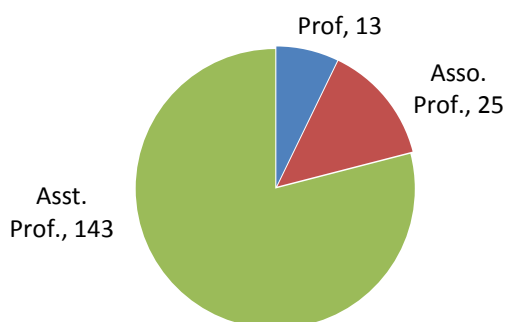


FACULTY PERFORMANCE AND DEVELOPMENT

Faculty Position 2014-15

Sr. No.	Department	Professor	Associate Professor	Assistant Professor	Total Faculty
1	Automobile Engineering	01	02	17	20
2	Civil Engineering	04	03	13	20
3	Computer Science & Engg.	00	01	16	17
4	Information Technology	00	01	11	12
5	Electrical Engineering	00	01	15	16
6	Electronics & Tele Comm.	02	04	14	20
7	Mechanical Engineering	04	07	27	38
8	Science & Humanities	01	03	08	12
	Total	12	22	121	155
1	M.B.A	01	03	13	17
	Total	01	03	13	17
1	Diploma (Second Shift)	--	--	09 (Lecturer)	09
	Total	00	00	09	09
	Grand Total	13	25	143	181

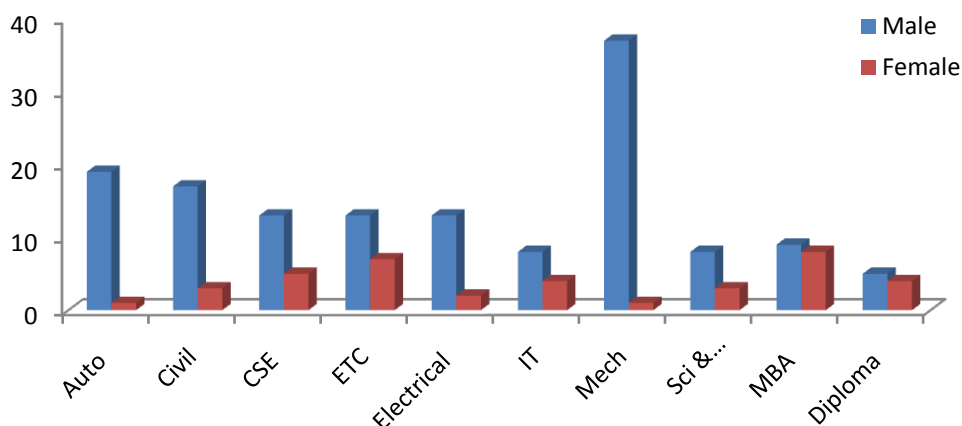
Faculty Cadre wise Distribution :



Non-Teaching Staff

Sr. No.	Particular	Total No
1	Administrative Staff	34
2	Technical Supporting Staff	58
3	Library Staff	11
4	Attendant/Peon & Other Staff	62
	Total	165

Comparison of Male to Female Faculty :



Sr. No.	Department	Male Faculty	Female Faculty	Total
1	Automobile Engineering	19	01	20
2	Civil Engineering	17	03	20
3	Computer Science & Engineering	13	05	18
4	Electronics & Telecommunication	13	07	20
5	Electrical Engineering	13	02	15
6	Information Technology	08	04	12
7	Mechanical Engineering	37	01	38
8	Science & Humanities Department	08	03	11
9	MBA	09	08	17
10	Diploma	05	04	09
Total		142	38	180

Faculty with Ph.D. Qualification

Sr. No.	Program Department	Name of faculty	Designation
1	Civil Engineering	Dr. Mrs. Kulkarni Sushma Shekhar	Director
2	Civil Engineering	Dr. Patil Pandurang Shankar	Professor
3	Civil Engineering	Dr. Jadhav Hanmant Shamrao	Professor
4	Civil Engineering	Dr. Attar Abdulrashid Chandso	Professor
5	Civil Engineering	Dr. Kumbhar Popat Dattatraya	Associate Professor
6	Mechanical Engineering	Dr. Telsang Martand Tamnacharya	Professor
7	Mechanical Engineering	Dr. Gawade Sanjaykumar Shankarrao	Professor
8	Mechanical Engineering	Dr. Sawant Suresh Maruti	Professor
9	Mechanical Engineering	Dr. Patil Sharad Dattatraya	Asst. Professor
10	Mechanical Engineering	Dr. Patil Sachin Krishnath	Asst. Professor
11	Automobile Engineering	Dr. Yadav Sanjay Dnyanu	Associate Professor
12	Electronics Engineering	Dr. Pardeshi Sanjay Arjunsingh	Professor
13	Electronics Engineering	Dr. Kakade Anandrao Bajirao	Asst. Professor
14	Electronics Engineering	Dr. Patil Mahadeo Sattappa	Asst. Professor

Sr. No.	Program Department	Name of faculty	Designation
15	Electronics Engineering	Dr. Mrs. Awati Jayashree Sudhir	Asst. Professor
16	Computer Sci. & Engg.	Dr. Dharwadkar Nagaraj V.	Associate Professor
17	Physics	Dr. Patil Suresh Hindurao	Associate Professor
18	Chemistry	Dr. Nikam Bhagwan Pandurang	Associate Professor
19	Physics	Dr. Miss. Pusawale Swati Narayan	Asst. Professor
20	English	Dr. Mrs. Kadam Dipali Mansingrao	Asst. Professor
21	Management Studies	Dr. Nishikant R. Bohra	Associate Professor
22	Management Studies	Dr. Binod Kumar Sinha	Asst. Professor
23	Management Studies	Dr. Mrs. Jagtap Manisha Vikas	Asst. Professor
24	Management Studies	Dr. Mrs. Desai Sima Shahaji	Asst. Professor
25	Management Studies	Dr. Mrs. Kadam Vidya Sunil	Asst. Professor
26	Management Studies	Dr. Smt. Jagtap Pratibha Ajitrao	Asst. Professor

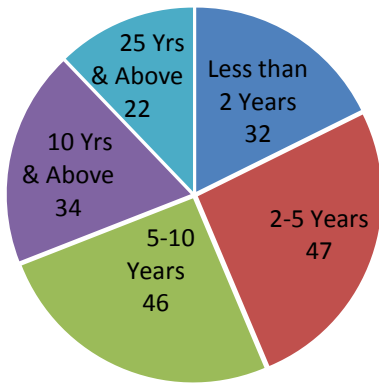
Faculty Enrolled for Ph.D. Program

Sr. No.	Program Department	Name of faculty	Designation	University Institute	Year of enrolment
1	Automobile	Mr. D. G. Thombare	Professor	Shivaji Uni., Kolhapur	2009
2	Automobile	Mr. A. P. Shah	Asst. Professor	NIT, Warangal	2011
3	Automobile	Mr. L. M. Jugulkar	Asst. Professor	SLIS, Punjab	2014
4	Automobile	Mr. S. R. Desai	Asst. Professor	Pune University	2009
5	Automobile	Mr. Satyajit R. Patil	Asst. Professor	Shivaji Uni., Kolhapur	2011
6	Automobile	Mr. S. R. Kumbhar	Asst. Professor	IGOU, Delhi	2014
7	Automobile	Mr. R. M. Shinde	Asst. Professor	Shivaji Uni., Kolhapur	2012
8	Automobile	Mrs. S. Y. Sawant	Asst. Professor	VTU, Belgaum	2013
9	Civil	Mr. D. B. Kulkarni	Associate Professor	Shivaji Uni., Kolhapur	2013
10	Civil	Mr. S. S. Kumbhar	Asst. Professor	IIT, Mumbai	2012
11	Civil	Mr. D. S. Patil	Asst. Professor	BVDU, Pune	2007
12	Civil	Mr. Y. M. Patil	Asst. Professor	Shivaji Uni., Kolhapur	2009
13	CSE	Mr. S. S. Patil	Asst. Professor	WCE, Sangli	2015
14	CSE	Mr. A. C. Admuthe	Asst. Professor	Mumbai University	2014
15	CSE	Mr. S. U. Mane	Asst. Professor	K.L. University	2015
16	Electrical	Mr. H. T. Jadhav	Asst. Professor	VNIT, Surat	2010
17	Electrical	Mr. A. R. Thorat	Asst. Professor	VTU, Belgaum	2014
18	E&TC	Mrs. V. S. Patil	Asst. Professor	Shivaji Uni., Kolhapur	2015
19	E&TC	Mr. S. R. Jagtap	Asst. Professor	JTU, Rajasthan	2012
20	E&TC	Mr. M. S. Kumbhar	Associate Professor	Shivaji Uni., Kolhapur	2009
21	E&TC	Mrs. Shailaja S. Patil	Asst. Professor	Shivaji Uni., Kolhapur	2015
22	E&TC	Mr. S. Ingaleswar	Asst. Professor	VTU, Belgaum	2015
23	Info. Tech.	Mr. S. A. Thorat	Asst. Professor	Shivaji Uni., Kolhapur	2010
24	CSE	Mrs. A. K. Ingale	Asst. Professor	VTU, Belgaum	2015
25	Mechanical	Mr. N. K. Chhapkhane	Associate Professor	Shivaji Uni., Kolhapur	2011
26	Mechanical	Mr. M. V. Kavade	Associate Professor	Shivaji Uni., Kolhapur	2012
27	Mechanical	Mr. M. B. Mandale	Asst. Professor	NIT, Warangal	2011
28	Mechanical	Mr. D. S. Chavan	Associate Professor	Shivaji Uni., Kolhapur	2009
29	Mechanical	Mr. S. B. Kumbhar	Asst. Professor	WCE, Sangli	2014
30	Mechanical	Mr. M. V. Pisal	Asst. Professor	Shivaji Uni., Kolhapur	2013

Sr. No.	Program Department	Name of faculty	Designation	University Institute	Year of enrolment
31	Mechanical	Mr. B. R. Jadhav	Asst. Professor	VTU, Belgaum	2013
32	Mechanical	Mr. C. A. Waghmare	Asst. Professor	VTU, Belgaum	2013
33	Mechanical	Mr. S.V. Kadam	Asst. Professor	Shivaji Uni., Kolhapur	2012
34	Mechanical	Mr. Santosh R. Patil	Asst. Professor	VTU, Belgaum	2013
35	Mechanical	Mr. S. N. Jalwadi	Asst. Professor	IIT, Mumbai	2012
36	Science & Humanities	Mr. P. N. Pawar	Asst. Professor	Shivaji Uni., Kolhapur	2013
37	MBA	Mr. S. S. Karanjkar	Asst. Professor	Shivaji Uni., Kolhapur	2014
38	MBA	Mrs. M. M. Bansode	Asst. Professor	Shivaji Uni., Kolhapur	2014
39	MBA	Mr. R. D. Padval	Asst. Professor	VTU, Belgaum	2012
40	Physical Director	Mr. Sandip S. Patil	Asst. Professor	BVDU, Pune	2014

Faculty Retention

Teaching and Industrial experience	No. of Faculty
20 years and above	22
10 to 20 years	34
05 to 10 years	46
02 to 05 years	47
Less than 02 years	32



PROGRAMS ORGANIZED

For Faculty

Sr. No.	Department	Conference / STTP organized	Date
1	Civil Engineering	STTP On Recent Technologies and Challenges in Environmental Management RTCEM (UNDER TEQIP)	15-19, September, 2014
2	Mechanical Engineering	One Week STTP on Advances In Manufacturing Technology	30 June – 4 July, 2014
3	Dr. Sushma Kulkarni and Dr. M. T. Telsang	One week ISTE- PTU workshop on Outcome Based Education in Engineering Education One day workshop on Student Assessment In Outcome Based Education by DrHenk Eijkman	24-28 June 2014 27 June, 2014
4	Computer Science & Engineering	One Week Workshop on Cloud Computing and Virtualization under TEQIP-II	20-24 June, 2014
5	Mechanical Engineering	Two Week ISTE workshop on Fluid Mechanics under the National Mission on Education through ICT (MHRD, Govt. of India)	20-30 May, 2014
6	Civil Dept.	Environmental Studies under the National Mission on Education through ICT (MHRD, Govt. of India) on through AVIEW mechanism	2-12 June, 2015

For students

Sr. No.	Department	Conference / STTP organized	Date
1	Electronics & Tele Communication	3 days IUCEE-SPEED Student Leadership Workshop On 21 st Century Grand Challenges Faced In Engineering (71 students attended – 26 RIT + 45 other Institutes students)	15–17, September, 2014
2	RIT SPEED	Two days Workshop on "Mobile Making" in associations with ARK Techno-solutions, Mumbai	4-7 September, 2014
3	Electronics & Tele Comm.	Two Day workshop on Electronic Circuit Simulation & PCB Fabrication (under Lead College Activity)	25-26 July, 2014
4	Electronics & Tele Communication	Two days Workshop supported by Altair and CAD-FEKO On MOBILE ANTENNAS - Fundamentals, Design, Fabrication and Testing	08-09 August, 2014 and 22-23 August, 2014
5	ETC dept.	Learning fundamentals of MATLAB & Building GUI	14 th March, 2015
6	Mechanical Engineering	Hands on Design and Analysis of Experiments	26 th March, 2015
7	ESCI -RIT Nodal Centre	3D Printing & 3D Scanning and Embedded Systems workshops Monday	30, 31 March, 2015
8	IT & CSE Dept.	Introduction to Design of Algorithms under MHRD NMEICT by IIT Kharagpur under Blended MOOCs(Massive Open Online Courses)	25-30 May, 2015

TRAINING AND PLACEMENT

The purpose of the Training and Placement is to give the students right knowledge, skill and aptitude and meet the manpower requirements of the Industry.

The Training and Placement Function at RIT is facilitated by Central Training and Placement Officer as head and the Departmental Training and Placement Officers as coordinators.

Training and Placement encompasses three main activities: Training, Education, and Development.

- **Training:** Keeping in view the current trends and technologies being used by the industries, the training curriculum is designed for preparing the students as entry level Graduate Engineer Trainees.
- **Education:** Appropriate skills for the job profile are acquired by the students during the classroom sessions on Aptitude and Conceptual training.
- **Development:** This activity focuses upon the personality development to make the students reliable, with positive attitude and right decision making.

The industry is always on the lookout for students who are vibrant, energetic individuals and ready to accept challenges, attentive, a good academic background, fast learners, open to learning even at work and more importantly, good communication skills.



The institute has created systems and structures to facilitate the aspiring students to excel in CAT, GATE, GRE, TOFEL, MPSC, UPSC and similar competitive examinations. Thus institution provides training program to students to improve their knowledge of Quantitative, Verbal and Analytical Ability, Communication Skills etc.

The above goals are achieved by the institute through Industry-Institution Interactions and having Memorandum of Understanding with the Leading Industry Like IRB Infrastructure Developers Ltd., TATA Group, Scope T&M Pvt. Ltd. and Siemens PLM Software etc.

The Institution also has an associate membership with **Maratha Chamber of Commerce, Industries and Agriculture, Pune** to seek support on various activities related to Education, Training and Placements.

More than 123 activities carried out by Training & Placement Department during the academic year 2014-15.

❖ **Sponsored Projects to M.Tech Students:**

Sr. No.	Dept./Branch	Sponsored Projects offered
1	Automobile	5
2	Civil - Construction Management	5
3	Civil - Structural	0
4	Mech - Design Engg	12
5	CAD/CAM/CAE	10
6	Mech – Production Engg	16
7	Electrical - Power Systems	5
8	Electronics Engg.	2
9	Electronics - Digital Systems	8
10	Computer Science & Engg	0
	Total	63

❖ **Faculty trained at Industry:**

16 faculties from different department have undergone the training program at following industries.

Sr. No.	Name of the company	No. of faculty trained
1	Accurate Engg, Hadapsar, Pune	1
2	L&T Powai, Mumbai	2
3	Siemens, Kalwa	1
4	Dahanu Thermal Power Station	1
5	Forbes Marshall Pune	1
6	Reliance General Insurance, Navi Mumbai	2
7	CDAC, Kolhapur	1
8	SAJ Test Plants, Hadapsar Pune	2
9	Bosch Ltd, Pune	3
10	Bharat Forge Ltd., Pune	2

❖ **Students' Training:**

Sr. No.	Type of Activity	No. of Hrs.	Total No. of students benefited
1	Aptitude	52	1006
2	Soft Skills & Teamwork	24	573
3	Expectation Management	14	417
4	Technical	48	528

❖ **Students' Employment:**

B.Tech Programs:

Sr. No.	Department	2014-15
1	Automobile Engg.	29/53 (55%)
2	Computer Science & Engg.	39/55 (71%)
3	Civil Engg.	29/50 (58%)
4	Electrical Engg.	30/50 (60%)
5	Electronics & Telecommunication	26/46 (57%)
6	Information Technology	34/60 (57%)
7	Mechanical Engg.	77/110 (70%)
	Average Percentage	61.00%

M.Tech Programs:

Sr. No.	Department	2014-15
1	Automobile Engg.	10/17 (59%)
2	Civil - Construction Management	18/18 (100%)
3	Civil - Structure	17/17 (100%)
4	Mech. - Design Engg.	15/18 (83%)
5	Mech. - CAD/CAM/CAE	11/17 (65%)
6	Mech. – Production Engg.	14/18 (78%)
7	Electrical - Power Systems	14/17 (82%)
8	Electronics Engg.	10/18 (56%)
9	Electronics - Digital Systems	9/16 (56%)
10	Computer Science & Engg.	10/17 (59%)
	Average Percentage	74.00%

❖ **List of companies visited (2014-15)**

Sr. No.	Name of the Company
1	Zensar Technologies Limited, Pune
2	Indian Navy
3	Bharat Forge Ltd., Pune
4	TCS, Pune
5	Persistent Systems, Pune
6	Webonise Lab Pvt. Ltd., Pune
7	Hewlett-Packard (HP), Pune
8	HDFC ERGO General Insurance Company Ltd., Mumbai
9	Cummins India Ltd., Pune
10	Joshi Jampala Engineering Pvt. Ltd., Satara
11	Capgemini India Pvt. Ltd., Pune
12	Sanmar Group, Chennai
13	Samundra Institute of Maritime Studies, Pune
14	Reliance General Insurance Co. Ltd., Mumbai
15	Indian Army
16	IBM, Bangalore

Sr. No.	Name of the Company
17	e-Zest Solutions Ltd., Pune
18	Hitachi Consulting Software Services India Pvt. Ltd., Pune
19	Amazatic Solutions, Pune
20	Web Tech Developers Pvt. Ltd., Pune
21	Hella India Automotive Private Limited, Haryana
22	Nitor Infotech Pvt. Ltd., Pune
23	Para Matrix Technologies Pvt. Ltd, Mumbai
24	Tekdi Web Solutions, Pune
25	Piaggio Vehicles Pvt. Ltd., Pune
26	SEED Infotech Ltd., Pune
27	Precision Automation and Robotics India Ltd., Pune
28	Polaris Consulting & Services Limited, Pune
29	Kay Bouvet Engineering Pvt. Ltd., Satara
30	Sankalp Semiconductor, Hubli
31	Polaris Consulting & Services Limited, Pune
32	IFFCO –Tokio General Insurance Co. Ltd, Pune
33	Cummins India Ltd., Pune
34	Quinnox, Pune
35	Emerson Climate Technologies (India) Limited, Atit
36	Audience Science, Pune
37	ICICI Pru. Life Insurance Limited
38	Ujjivan Financial Services Limited
39	Bombay Rayon Fashion Limited
40	Ideal HR services, Pune
41	Sharekhan
42	HDFC Bank
43	OnMobile Pvt. Ltd., Bangalore
44	Mithi Software Pvt. Ltd., Pune
45	Das Offshore Engineering Pvt. Ltd., Mumbai
46	Raining Clouds Technologies Pvt. Ltd., Pune
47	Positek Solution Pvt. Ltd., Pune
48	Deo Associates, Pune
49	Acty System India Pvt. Ltd., Mumbai
50	Perennial Systems, Pune
51	Bosch Ltd., Bangalore
52	Manugraph India Ltd., Kolhapur
53	Prescient Technologies, Pune
54	Torrent Power Limited, Mumbai
55	Mahindra First Choice Services, Mumbai
56	KPIT Technologies Ltd., Pune
57	Vistacore Corporation, Pune
58	Advanced Design Solutions, Pune
59	Sandeep Patil & Associates, Vita
60	Atos, Mumbai
61	Liberty Videocon General Insurance Co. Ltd., Mumbai

Glimpses of Training & Placement Activities:



Workshop on “Preparation for TCS Campus Drive” by Mr. Rahul Desai, TCS, Pune for final year B.Tech students



HR of HDFC ERGO General Insurance Company Ltd. Mumbai with selected students & TPO during campus recruitment drive



Felicitation of HR from Persistent Systems, Pune by Director during campus recruitment drive



Felicitation of HR from TCS, Pune by Hon. Director during campus recruitment drive at RIT



Vice President of Webonise Lab, Pune guiding final year B.Tech students about selection procedure during campus recruitment drive



HR Team of KPIT Technologies Ltd., Pune & Training & Placement Team during campus recruitment drive at RIT

MOU signed during 2014-2015

Sr. No.	Name of the Company / Institute	Area / Field	Purpose
1	Yash Capacitors Pvt. Ltd., Nashik	Manufacturers and Suppliers of Capacitors	Staff & Students' training, Students' Placement, Technical Consultancy, Laboratory & Library sharing, Guest Lecture, Sponsored Projects, etc.
2	Zensar Technologies Limited, Pune	IT Services	Students' Training, Faculty Training
3	Pranav Systtech Pvt. Ltd., Pune	IT Services	Students' Project, Students' Training
4	Finite & Infinite, Pune	Educational	Students' Training & Staff Training
5	dB Devices Pvt. Ltd., Pune	Manufacturers of Power Amplifier	Staff & Students' training, Students' Placement, Technical Consultancy, Laboratory & Library sharing, Guest Lecture, Sponsored Projects, etc.
6	WYSE Biometrics Systems Pvt. Ltd., Pune	Manufacturers of Biometric System	Staff & Students' training, Students' Placement, Technical Consultancy, Laboratory & Library sharing, Guest Lecture, Sponsored Projects, etc.
7	O2 Breathing Brains, Miraj	Educational	Students' Training
8	Infosys, Bangalore	IT Services	Campus Connect – Foundation & Soft Skills Program
9	Extencore Solutions Pvt. Ltd., Pune	Educational	Students' Training
10	Semat Excellence Centre, Pune	Educational	Organize workshops, Android Mobility Lab Setup, Internship for students, Assigning Industry Sponsored Projects to students

INDUSTRY INSTITUTE INTERACTION

The purpose of professional and higher education is to enable the students' industry-ready and to accept the job in any portfolio. Thus reputed Institution like RIT needs continuous interaction with industries. The Industry-Institute Interaction is oriented towards achieving the following objectives:

- Being an Autonomous Institution, the college is keen in updating the curriculum periodically of various departments in close collaboration with industry experts; the cell also helps to identify the experts in various fields for valuable inputs to be offered to the Board of Studies of all programmes.
- Up gradation of knowledge of faculty by identifying suitable industries for faculty training.

- To enable the students acquire the necessary skills for observing the concepts taught in the classroom by solving projects in industries.
- To take up consultancy work in the nature of diagnosis and solving them using the expertise of the faculty and students.
- To provide assistance to industry in the area of testing the quality of various products and materials as per the industrial standards.
- To encourage the students to visit variety of industries and technical exhibitions to keep them abreast of the scenario prevailing in their field of study.
- To provide internship to students to confront real-life challenges and learn the state of the global technology and process to add to their core technological foundation.

The educational reform of linking technical education with industry is one of the important educational innovations emerging in the country. Interaction between institute and industry is now widely recognized as an essential requirement to train and develop the right kind of man power necessary to sustain and promote industrial and economical growth.

❖ **Interactive sessions:**



Prize Distribution to Rankers by Director, Corporate Affairs of John Deere India Pvt. Ltd. at RIT



Felicitation of delegates during selections process for Siemens Internship Program 2015 at RIT



Visit of AVP & Head of Zensar Technologies Ltd., Pune to RIT



MOU with Extencore Solutions Pvt. Ltd., Pune

❖ **Faculty visits to Industries:**

14 faculty from different department visited following industries to seek the opportunities for students training, projects and placement.

Sr. No.	Name of the company
1	Piaggio Vehicles Pvt. Ltd., Pune
2	KSB Pumps Limited, Pimpri Chinchawad, Pune
3	Bijur Delimon India Private Limited, Pune
4	Forbes Marshall, Pune
5	Subros Limited, Pune
6	Suprajit Engineering Ltd., Chakan, Pune
7	Thyssen Krupp Industries India Private Limited, Pune
8	Walchand Group, Pune
9	Force Motors Ltd., Pune
10	John Deere India Pvt. Ltd., Pune
11	Kirloskar Oil Engine Ltd., Pune
12	S. P. Engineering Corporation Pvt. Ltd., Pune
13	Ishwar Parmar Group, Pune
14	Ashapura Options Pvt. Ltd., Mumbai
15	Vodafone India Ltd., Pune
16	NielSoft Corporation, Pune
17	S. S. Patane & Associates, Pune
18	Piaggio Vehicles Pvt. Ltd., Baramati
19	Top Gear Transmission, Satara
20	Precision Automation & Robotics India Ltd., Pune
21	Mutha Foundaries Pvt. Ltd., Satara



IMPACT OF TEQIP

OBJECTIVES

To significantly increase enrolment in PG programmes in engineering disciplines and enhance engineering research and development and innovation.

- Sub-objectives
 - Improving quality and relevance of PG programmes.
 - Attract more and better qualified students for PG programmes.
 - Improve faculty qualifications.
 - Enhance management of the institutions for more effective governance

TEQIP GOAL

To Scale-up and support ongoing efforts of the Government of India to improve quality of Technical Education and enhance existing capacities of the institutions to become dynamic, demand driven, quality conscious, efficient and forward looking, responsive to rapid economic and technological developments occurring at the local, State, National and International levels. It has a clear focus on the objectives to improve the overall quality of existing Engineering Education.

DELIVERABLES

- Increased enrolment of Master's and Doctoral students.
- Percentage of revenue from externally funded R & D projects and consultancies in total annual revenue from all sources.
- Increase in the number of publications in refereed journals, citations and patents obtained/filled.
- The number of Joint publications in refereed journal.

IMPACT OF TEQIP IN INSTITUTES PROGRESS

- All UG Programs Accredited for 5 years/2 years
- Improvement in Input quality of UG & PG student. Focus on student development through diagnostic tests
- Increase in number of publications in reputed journals having H-Index, Impact factor.
- Increase in number of patents filed.
- Faculty training in subject domain
- Faculty has exposure International/National reputed institutes
- Awareness in UG students for higher studies & competitive examinations.
- Effective implementation of Autonomy
- Improvement in performance of UG & PG students
- Benefit for accreditation
- Due to increase in PG and PhD programs awareness about research and innovation has improved to a large extent.
- Increasing number of PhD faculty members
- Increase in industry institute interaction.

KEY PERFORMANCE INDICATOR ACHIVED BY INSTITUTE

Sr. No.	Performance Indicators	Status
1	Autonomy granted by UGC / Applied for: <i>(In case of Applied for Autonomy, please indicate the stage of application)</i> <i>(If not applied, please indicate the reason for not applying)</i>	Yes Autonomy granted from 2011-12 to 2016-17
2	Board of Governors (BoG) meetings: Whether the BoG meeting has taken place in the last four months i.e. between 1 st January – 30 th April 2015 <i>(Please indicate date of the BoG meeting)</i> Whether the minutes are available on the Institution's website. <i>(Please provide the weblink)</i>	Yes 5 th March, 2015 Available on institute website www.ritindia.edu
3	Accreditation: <i>(Obtained / Applied for)</i>	UG + PG programmes UG - 100%, PG - 71.43% UG+PG-85.71%
4	Statutory Audit completed (2013-14)	Yes
5	Completion of Governance Development Plan (GDP) and timeline for completion of institutional Governance guidelines, approved by governing body and published on institutional website	Yes Available on institute website www.ritindia.edu
6	Submission of revised IDP for 2016 with updated target indicators	Yes
8	Completion of all data entry into MIS for 2013-14	2013-14 All Data entry completed
10	Procurement Plan to cover 100% procurement expenditures	Yes
11	% of Expenditure against total funds received Up to April 2015	71.70%
12	% of Expenditure + Committed expenditure against Total funds received Up to April 2015	81.96%

TEQIP Income and Expenditure

Total TEQIP fund allotted 4.00 Crore	
Fund Received form SPFU/NPIU	Rs. 3.20 Crore
Institute Share amount	Rs. 0.80 Crore
Total	Rs. 4.00 Crore
Expenditure up to June 2015	Rs. 3.10 Crore

Details of Component wise Expenditure & major Activities (Up to June, 2015)

Activities	Amount in Rs. In Lakhs	Purpose	Details
Procurement	86.46	Purchase Books & VMware Software of IT & CSE, Civil, E&TC, Electrical & Mechanical Department	Title- 149, Volume -1074 7 Software's
Assistantship	46.55	Teaching Assistants Research Assistant	Rs. 8,000/- pm, Rs. 25,000/- pm
R&D	23.64	Proposal Processing fees for 23 Nos. (MODROB-10, RPS-11, TGS-01 & SDP-01), Patent Registration & filing Charges , Seed Money Sanctioned 7 Members @ 1.5 Lakhs	Seed Money Sanction 1. Dr. A.B. Kakade – ETC 2. Dr. P.S. Patil- civil, 3. Prof. H.T. Jadhav- Elect. 4. Prof. S.R. Patil- Auto, 5. Dr. M.T. Telsang- Mech. 6. Prof. D.G.Thombare-Auto 7. Dr. S.A.Pardeshi- E&TC
FSD	47.23	Outside 642 Man days, In-house 4024 Man days 7 Faculty attend International Conference and work shop at abroad	
I-I-I cell	10.06	Interaction of 60 students / faculty with Industry Industrial Visit- 53 faculty for 165 man days and Industrial Training – 24 faculty for 87 Man days	Industry visits, interaction, HR meet, conference
Capacity Development	6.79	3 Program Organized Leader Ship Development for Sr. Faculty no.30 & 5 Sr. Faculty attend the Program at IIM Indore & Udaipur	All professors and associate Professor
Institutional Reforms	12.73	Attend 6 Faculty 3 days W/S on Training and Identification of Master Trainers on Outcome Based Accreditation Process and Parameters & 1 faculty 5 days National Board of Accreditation - word Summit WOSA-2014 at- New Delhi	Accreditation fees
Academic support for weak students	52.97	Organize Students Training Program and Expert Lectures-24, Remedial Lectures -104 & Diagnostics Test for Weak Students-3	To improve transition rate , employability of Students
Incremental operating cost	23.31	BOG/BOS/AC meetings, Purchase Equipments required for QEEE Class room Setup	
Total	309.74		

List of Software's purchased Under TEQIP-II during year 2014-15

Sr. No	Party Name	Particulars	Bill Date	Am/Rs.
1	I group Infotech India Ltd.	Campus Subscription of Turniti	26 th June,2014	5,88,988.00
2	ADCC Infocad Pvt. Ltd, Nagpur	Matlab Set with Tool Boxes (25 User) software for UG & PG students all departments	20 th June, 2014	19,26,897.00
3	India Soft Technologies (P) Ltd. Pune	Witness 13 Latest Version (20 Users) Mechanical Engg. Dept	14 th July, 2014	4,79,850.00
4	Nihon Communication Solutions Pvt. Ltd. Bangalore	Qual Net (Exata) Emulator Software (UG & PG Research) E&TC Engg. Department	10 th July, 2014	6,95,374.00
5	Ionldea Interactive Pvt. Ltd, Bangalore	Software for OBE IonCUDOS	20 th April, 2015	17,00,000.00

List of Faculty Attended International Seminars/Conference/Programs

Sr.No.	Name of Faculty	Paper /Chair	Place	Period
1	Prof. S.R. Patil	ASME 2014 12th Biennial Conference on Engineering System Design and Analysis	Copenhagen, Denmark	25 th -27 th June, 2014
2	Dr. Mrs. S.S. Kulkarni	Participated World Engineering Education Forum 2014	Dubai	2 nd to 6 th Dec. 2014

List of Teaching Assistants under TEQIP-II for the year 2014-15

Sr. No.	Name of Candidate	Department
1	Mr. Manikrao B. Pawar	Automobile
2	Mr. Azim G. Mujawar	Civil – Structural
3	Ms. Jyoti P. Nalawade	Civil – Structural
4	Mr. Kuldip P. Mali	Civil - Const. Mgt.
5	Ms. Vanashr B. Sankpal	Civil - Const. Mgt.
6	Mr. AjinkyaKishor Salve	CAD/CAM/CAE
7	Mr. Bilal P. Shaikh	CAD/CAM/CAE
8	Mr. Ranjit R. Chavan	Mech.- Design
9	Mr. Aniket A. Chogule	Mech.- Design
10	Mr. Umesh R. Mane	Electrical - Power System
11	Ms. Rohini A. Desai	Electrical - Power System
12	Mr. Sanket S. Mane	Electronics
13	Mr. Dhanaji P. Narsale	Electronics
14	Mr. Sushant V. Patil	Digital System
15	Mr. Aniket V. Patil	Digital System
16	Mr. Dhanaji V. Mirajkar	Computer Sci. & Engg.

Faculty Training

Effective training depends on knowing what is required - for the individual, the department and the organization as a whole. With limited budgets and the need for cost-effective solutions, all organizations need to ensure that the resources invested in training are targeted at areas where training and development is needed.

Training Needs Analysis (TNA) is particularly vital in today's changing workplace as new technologies and flexible working practices are becoming widespread, leading to corresponding changes in the skills and abilities needed. Training is described as the acquisition of skills, concepts or attitudes that result in improved performance within the job environment. TNA is defined as the identification of training requirements and the most cost effective means of meeting those requirements. TNA is the first stage in training process and helps the trainee to achieve his goals and dreams in life. TNA at Rajarambapu Institute of Technology, Islampur has been prepared and teaching and non-teaching staff members undergo training according to TNA plan prepared.

Pedagogy Training

Year 2013-14			Year 2014-15		
Sr. No.	Department	Man days	Sr. No.	Department	Man days
1	Automobile Engineering	78	1	Automobile Engineering	39
2	Civil Engineering	102	2	Civil Engineering	39
3	Computer Science & Engg	90	3	Computer Science & Engg	31
4	Electrical Engineering	68	4	Electrical Engineering	38
5	Electronics & Telecommunication	74	5	Electronics & Telecommunication	42
6	Information Technology	73	6	Information Technology	25
7	Mechanical Engineering	132	7	Mechanical Engineering	59
8	Science & Humanities	66	8	Science & Humanities	15
		683			288

Subject Updating /Domain Training

Year 2013-14			Year 2014-15	
Sr. No.	Department	Man days	Department	Man days
1	Automobile Engineering	82	Automobile Engineering	67
2	Civil Engineering	15	Civil Engineering	22
3	Computer Science & Engineering	62	Computer Science & Engineering	41
4	Electrical Engineering	19	Electrical Engineering	16
5	Electronics & Telecommunication	26	Electronics & Telecommunication	02
6	Information Technology	38	Information Technology	51
7	Mechanical Engineering	141	Mechanical Engineering	107
8	Science & Humanities	22	Science & Humanities	--
Total		405	306	

Management Capacity Development

Year 2013-14			Year 2014-15	
Sr. No.	Department	Man days	Department	Man days
1	Automobile Engineering	13	Automobile Engineering	08
2	Civil Engineering	38	Civil Engineering	12
3	Computer Science & Engineering	10	Computer Science & Engineering	13
4	Electrical Engineering	10	Electrical Engineering	06
5	Electronics & Telecommunication Engineering	14	Electronics & Telecommunication Engineering	16
6	Information Technology	05	Information Technology	14
7	Mechanical Engineering	34	Mechanical Engineering	15
8	Science & Humanities	13	Science & Humanities	08
Total		137		92

Trainings to Technical & Administrative Staff

Year 2013-14			Year 2014-15	
Sr. No.	Department	Man days	Department	Man days
1	Automobile Engineering	15	Automobile Engineering	--
2	Civil Engineering	12	Civil Engineering	--
3	Computer Science & Engineering	19	Computer Science & Engineering	10
4	Electrical Engineering	11	Electrical Engineering	--
5	Electronics & Telecommunication Engineering	09	Electronics & Telecommunication Engineering	--
6	Information Technology	18	Information Technology	--
7	Mechanical Engineering	76	Mechanical Engineering	10
8	Science & Humanities	06	Science & Humanities	--
9	Office	03	Office	36
Total		169		56

NOTABLE INSTITUTIONAL ACHIEVEMENTS

Institute Level

- Institute received approval from AICTE & Govt. of Maharashtra for Diploma (Second Shift) courses - Civil and Mechanical Engineering and Increase in intake for M.Tech Civil – Structural & Mechanical – Design Engineering from 18 to 24.
- Started admissions under PIO quota and 18 students admitted from South Sudan (Central Equatorial state) in the current academic year 2014-15.
- RIT bagged Sustainable Institute Industry Partnership (SIIP) 2014 award for Engineering College at IIT, Chennai.
- Successfully conducted conference of African Adventist Student Associations in India at institute from 8th June 2014 to 15th June, 2014 with 150 student participation.
- QUANTUM – 2014 (RIT–Kalyani) – Received Rs. 2.00 Lakh from Bharat Forge Ltd., Pune for the joint venture programme between RIT and Kalyani Group for events organized by student throughout the academic year.
- Emersion Climate Technologies, Karad has given scholarship worth Rupees Two Lakhs to our students.
- RIT published Alumni Newsletter for every quarter in 2014-2015.
- Life Institutional Membership of The Institution of Engineers (India) is granted to RIT on 12th December, 2014.
- RIT ranked 8th rank by CSR-GHRDC Engineering College Survey 2014 as Top Emerging Engineering College of Excellence
- RIT ranked 67th rank by DQ-CMR Private T-School as Best Private T-Schools for year 2014-2015.
- RIT ranked 74th rank by Top 100 Private Engineering College Survey 2015 by Higher Education Review, New Delhi

Faculty

- Dr. Mrs. S. S. Kulkarni has attended World Engineering Education Forum (WEEF) 2014 conference at Dubai during 2nd - 6th December, 2014.
- Prof. A. C. Admuthe, Asst. Professor, CSE has received Best Paper Award of National Conference on Industrial Engineering and Technology Management (NCIETM 2014) at National Institute of Industrial Engineering (NITIE), Mumbai.
- TED – X Workshop attended by Deans and Director
- Prof. Subodh Ingaleshwar represented exhibition organized by Indian Science Congress 2015 in association with the University of Mumbai ISC 2015, PRIDE OF INDIA EXPO
- Prof. Amol Admuthe & Mr. Rajendra Gage, CSE dept won Best Paper Award of IEEE International Conference on Advanced computing & Communication Systems (ICACCS)
- Prof. Satyajit Patil and Akshay Dashwant, M. Tech. Auto. won first prize at National Conference on Mechanical Engineering, Material Sciences and Mechatronics organized by VIIT, Pune.
- Prof. Sandip Patil, Physical Director has been elected as Vice President of Maharashtra State Volleyball Association. This association is affiliated with Maharashtra State Olympic Association.

- Prof. S. R. Kumbhar, Asst. Prof. Automobile, has received Third prize for his poster in Symposium on International Automotive Technology (SIAT) at ARAI, Pune during 21-23rd January, 2015. The poster was based on his PhD work. It was selected from 86 entries in most difficult category of NVH. His poster also beat IITians and he got 3rd prize by the hands of Union Minister Road Transport and Highway.
- Prof. S. R. Kumbhar and Dr. A. C. Attar won BEST POSTER AWARD at Second International Conference on Transformations in Engineering Education (ICTIEE) held at BMS College of Engineering, Bangalore, 6-8th January 2015
- Prof. Sandip Patil, Physical Director has been elected as Vice President of Maharashtra State Volleyball Association. This association is affiliated with Maharashtra State Olympic Association
- Dr. S. S. Kulkarni, *Director* and Dr. A. C. Attar, *Dean, Quality Assurance* has conducted two days workshop on Outcome Based Education at Government College of Engineering, Amravati during 6-7th May, 2015.
- Dr. S. S. Kulkarni, *Director* and Dr. M. T. Telsang, *Dean, Academic* has conducted workshop on Autonomy at K. K. Wagh College of Engineering, Nashik.
- Medical checkup camp was organized for teaching and non- teaching staff – Lipid Profile and sugar level and a talk was also organized by Dr. Pradip Shah on preventive health care based on the medical test reports.



Students

- RIT students won Purushottam Karandak, 2014 in Inter Colleges One act play in Kolhapur Division.
- Mr. Vivek More, Vaibhav Patil & Ismail Mulani Mechanical Engineering students have grabbed 1st prize for Project Titled Innovative Cooling System without Radiator in John-Deere Techno champ 2014 (All India Technology innovation contest)
- Student Exchange Program with Gurunanak Group of Institutes, Hyderabad and JRE group of Institutes, Noida. Around 35 students participated in it and their feedback about this program is excellent.
- QEEE program continued for one more semester
- RIT students grabbed 2nd position in ASME-HPVC hosted by IIT, Delhi
- IIT, Bombay has released an equipment grant of Rs. 1.00 Lakh to its Akash Center to facilitate effective utilization of Akash tablet for R&D work under National Mission on Education through ICT (MHRD).
- RIT team –Samuh Gayan, Samuh Geethas received 3rd prize at 34th University level Youth festival.



- Purushottam Karandak 2014 Inter Colleges One act play



- STTP on Recent Technologies and Challenges in Environmental Management



- Mr. Nilesh D. Latne TY ETC, Mr. Rohan S. Nerlekar SY IT & Mr. Sourabh S. Edge FY Mech. has received individual awards for articles written in Vishwakarma 2014 at University Magazine Competition in Seminar section.

- First stage consisted of problem identification in society, Second stage of problem analysis and its solution and third stage was of remedial solution for the said problem.

- RIT participated in the Young India Innovation exhibition arranged in “Bharatiya Sanskriti Utsav” at Kaneri Math led by Prof. Subodh Ingaleshwar. Over whelming response from people and more than 4000 people visited.



- SAERIT, CHAPTER. team NEQUIT cleared virtual test successfully of student formula racing SUPRA

- Abhyuday Group, IIT Bombay organized competition on various social related issues in all IITs, NITs and TEQIP selected institutions.



- Team Parinamika presented the theme Woman Empowerment. Team got shortlisted from hundreds of applications in IITB for first round. In second round Woman Empowerment topic was presented with problem identification and shortlisted and in third round participated by IIT Delhi, IIT Guwahati and many more with IIT Bombay team. RIT team was ranked 1st in this competition.



- Mr. Ajinkya Patil (B.Tech E&TC) got selected as External Affairs Officer for SPEED INDIA. Voting was conducted in ICTIEE 2015-International Conference on Transformations in Engineering Education organized by B.M.S. College of Engineering, Bangalore in-front of all Eminent Personalities including Dr. Krishna Vedula.
- Mr. Ajinkya Patil (B.Tech E&TC), for representing RIT in IUCEE SPEED Global Student Forum-2014 organized by American University in DUBAI from 30th Nov to 6 Dec 2014. Ajinkya is one among 20 students from INDIA and Second from Maharashtra selected for GSF-2014.
- SAE and AESA members visited one of the most reputed expo of Automotive sector SIAT-15 (Symposium on International Automotive Technology-2015) was organized by ARAI Pune. It was really a great experience. 65 students and four faculties of Automobile Engineering Department visited the SIAT-15 on 24th January, 2015.
- Team Turtles of students from Automobile, Mechanical and Electrical have participated and secured 1st rank in Acceleration-Braking Test and Best Lap Timing at endurance test. During this competition the students designed and fabricated a hybrid Go-Kart vehicle and completed various tests which included acceleration and braking, skid pad, autocross, endurance and fuel economy. This achievement is one of the glorious moments for RIT.
- Hybrid Go-Kart Challenge 2014 (HGC'14) organized by Imperial Society of Innovative Engineers (ISIE) held at Coimbatore on January 27-29, 2015.
- Think Tank, the departmental magazine of Mechanical Engineering Department is published on institute's website. <http://www.ritindia.edu/mech-department-thinktank.htm>
- Final Year B.Tech IT students with faculty visited Bharat Sanchar Nigam Limited (BSNL) Sangli office on 24th March 2015.
- RIT has organized 1st National Conference for Post Graduate Engineering students (RIT NConPG-15) on 1st June 2015.
- Ms. Snehal Salunkhe M.Tech Mech- Design has won Best prize in Poster Presentation held at KBP, Pandharpur
- Vishakha Cell has organized Medical camp HB Test for all girl students of B.Tech, M.Tech & MBA in collaboration with Rajarambapu Blood Bank, Giant Group of Islampur Saheli from 16-19th March, 2015. A talk on Effects of Anemic condition on day to day life was organized.



STRATEGIC PLANNING

To improve the quality of institute our Board of Governors (BOG) took a decision to set out for planned growth by strategic planning. Initially we followed Balanced Score Card method and the same was planned & implemented from 2006 to 2009 with the help of external consultants. At the end of three years we observed very positive growth and that we could achieve almost all the targets as per strategic plan and it led to directed growth & development of the Institute with improved positioning of the institute.

In 2009, we shifted from Balanced Score Card Method to Verne Harish's One Page Strategic Plan (OPSP) as we, Chairman and Top management decided to implement OPSP suggested by Verne Harish based on his book on "Mastering the Rockefeller habits" wherein significance of OPSP is explained.

We implemented OPSP successfully for four years and improved a lot. After successful implementation we shifted to Gazelles OPSP 2013. Gazelles Inc. provides executive education, coaching and technology services to help mid-market companies around the world build and execute a strategic plan.

OPSP discusses about People, Strategy, Execution and Cash. It mentioned about Growth Methods called result. It includes four steps decisions, discipline, drivers and catalyst. Decision consists of People happiness, Growth strategy, execution in time and cash option. Disciplines tell about priorities, top five and top 1 of 5; qualitative and quantitative data and meeting frequency. Drivers include people (employees, customers and shareholders) and processes (make/buy, sell and record keeping) and catalyst includes advisors, consultants and coaches).

OPSP includes mindshare (your recognition to customers), Offer a unique brand promise (differentiate you from the competition), Brand Promise Guarantees (catalytic for brand promises guarantees), One Phrase strategy (drivers of your business model), Activities (How you execute your business differently from competitors), and X Factor means competitive advantage over rivals. BHAG is the key metrics that defines the essence of your business model.

VARNE HARNISH'S MODEL FOR GROWTH OF AN ORGANISATION



One Page Strategic Plan (OPSP)

One Page Strategic Plan (OPSP)

Organization Name: **Rajarambapu Institute of Technology, Rajaramnagar.**

People (Relationship Drivers)

Employees

1. Director of Institute
2. Faculty & Staff

Customers

1. Students
2. Faculty & Staff
3. Industry and Higher Education Institutes

Stakeholder

1. B. O. G.
2. Industry & Community
3. Parents

COREVALUES/ BELIEFS (Should/ Shouldn't)]	PURPOSE (Why)	TARGETS (3-5 YRS.) (Where)		GOALS (1 YR) (What)	
Practice what we preach Honesty and Sincerity Fairness and equality Cooperation Joy of Learning Each one can excel	To impart quality technical education	Future Date	01.08.2015	YR Ending	01.08.2014
		Revenues	Fees collection	Revenues	Fees Collection
		Profit	Audited Statements, IRG, Fees, funding from outside Agencies	Profit	Non Profit Organization, Audited Statement
		Mkt. Cap	Admission, 100% of sanctioned seats.	Mkt. Cap	100% adm. Students 2013-14
				Faculty	No. of Faculty (P, Assoc. Prof., Asst. Prof., TA)
				Cash	100% Admission
				Placement	75%
				SPI (Result)	UG and PG
				Research and Development	Publication, Project and Patent

	Actions To Live Values, Purposes, BHAG	Key Thrusts/Capabilities 3 – 5 Priorities	Key Initiatives Annual Priorities
	1. Talent Nurture Project: Prof. M.T. Telsang and HODs	1. To recruit high quality faculty develop and retain existing faculty	1. Faculty Recruitment and UGC Approval
	2. Propagations and Strengthening of Core Value: Prof. D.G. Thombare and Mr. S. S. Karanjkar	2. Strengthening of Autonomy though strengthening curriculum and evaluation system	2. PEOs, POs, COs and Creating learning Environment, Employing ICT for Exam and equipping faculty with innovative evaluation techniques.

	3. Building Students Competency: Dr. Mrs. S.S. Kulkarni and Prof. M.L. Deshpande	3. Comprehensive Student development for Placement, Higher education and entrepreneurship	3. Professional Skills Development, Competitive Exam (GATE,GRE and Other Exams) and entrepreneurship skills.
	4. Study of Faculty Expectation : Dr. A.C. Attar, Dr. Binod Kumar and Ms. V S Kadam	4. 3i Industry Institute Interaction with outside world.	4. MoUs (Conducting training Programme for Industry personal and carrying out live projects with industry and activities) field/inplant training of faculty and students, alumni interaction, IUCEE/Reputed Universities , IITs, NITs and Premier Institutes.
	5. KRA/IAI and API Evaluation Process Automation: Dr. A.C. Attar, Mr. R.S. Patil and Mr. Maichael	5. Strengthening Research Base and 3p(Publish, Project (Community Outreach and technology transfer and development) and Patent.	5. Developing centre of excellence and 3p (Publish (Impact Factor/H factor, Project (UGC, DST,AICTE) and Patents.
	6. ICT for examination : Dr. P D Kumbhar		

Core Competencies	Profit/X 100% admission of sanction seat and fees collection.	Brand Promises KPI's - Result (SPI) - Publication - 100 % employability	Critical #: People (B/S) Faculty Vacant Position Expenditure per student
	BHAG RIT should be ranked among 1 st 50 best performing institute by 2018 in India	Brand Promises Career Assured.	Critical #: Process (P/L) Placement Academic Between green & red

Strengths

1. Autonomous Institute
2. TEQIP Funded
3. Reaccredited by NBA

Weakness

1. Unable to select the students on the basis of Aptitude
2. Rural location
3. Shortage of high end faculty

GRADUATION DAY REPORT

RIT celebrated its Second Graduation Ceremony on Tuesday, 18th November, 2014. The Programme Completion Certificates were conferred upon 179 M. Tech and 115 MBA students on this gracious occasion. The Chief Guest Dr. G. D. Yadav is a known celebrated academician and researcher; Director, Institute of Chemical Technology (ICT), Mumbai, a world class academic and research institute. The Guest of Honour was Dr. A. S. Bhoite, Pro-Vice-chancellor, Shivaji University, Kolhapur. The function was presided by Shri. Bhagatsinh Patil, Chairman, Board of Governors, RIT, Principal R. D. Sawant, Secretary, Kasegaon Education Society and Member of the BoG and Dr. Sushma Kulkarni, Director of RIT. The esteemed members of Board of Governors, Members of Academic Council, Members of



Board of Studies of various departments, officials of Shivaji University, Kolhapur, Academicians and Industry persons from Pune Region, parents of graduates and other invitees totaling to around 1500 in number were present for this August gathering.

The academic procession led by the topper amongst all Programmes held flag of the Institute followed by all dignitaries and graduates. The audience stood up as a mark of respect. After the holy lamp was lightened by the Chief Guest, a welcome song was presented by students of Music Club of RIT. The dignitaries were briefly introduced followed by their felicitation by the Chairman of BoG. Director presented the annual report of the Institute highlighting the recognitions and rewards received during the last year and also mentioned various initiatives taken by the Institute in academics and research and development. The Institute has started a new international journal devoted to developments in the field of engineering education, viz. Journal of Engineering Education and Transformations (JEET). This journal is a revived form of a long standing National Journal, Journal of Engineering Education being published by the Engineering Education Foundation, Pune. It is a collaborative initiative of IUCEE and RIT. On this grand occasion, the first issue of this international journal was released by the Chief Guest, Dr. G. D. Yadav.



The graduation ceremony progressed with the Director administering the Oath of Professional Ethics and Life-Long Learning to all the pass-outs. The rankers of eleven programmes of M. Tech and M.B.A., including the gold-medalist were felicitated with rank



medals by the Chief Guest. From this year, the Institute also started a new award of the Best Outgoing PG Student. This year the Gold Medal was awarded to Shri. Akiwate, from M.Tech (Mechanical Design) programme whereas Shri. Kunal Raut hailing from the same programme, had the privilege of being the Best Outgoing PG Student for the year 2013-14. All the Prizes and Medals were sponsored by the alumni of the Institute.

Addressing the graduates, the Secretary, K.E.S. sketched various issues like necessary reforms in the HR policy of the Nation, the challenges before the pass-outs and the steps that Institute wishes to take in future to be in pace with rapidly changing scenario of Industry. The Principal R.D. Sawant urged the graduates to apply the criterion of well-being of our nation to every move they take in their lives. Dr. Bhoite expressed concern over inadequate response of educational functionary to the need of using new methodologies for ever-widening spheres of knowledge. He emphasized the need of being more environment-cautious while achieving new heights in technological and industrial development.

The Chief Guest Dr. G. D. Yadav recalled his childhood, he originally being from a small village near Kolhapur. He appealed graduates not to undermine the contribution of parents in their development. He said that the success and failure follow each other and everyone would face some dark time in his life; however one should never give up. He unfolded the story of success of ICT and said that, "truthfulness, sincerity would always keep your head high and no one can prevent you from getting its fruits!" He appealed students to be in touch with the Institute for its growth. The Registrar of the Institute proposed the vote of thanks and this grand ceremony came to an end with the national anthem played.

DIGNITARIES ON THE CAMPUS

- Prof. (Dr.) Rajkumar Buyya presented a seminar on Cloud Computing. Prof. Rajkumar Buyya is a Professor of Computer Science and Software Engineering, Future Fellow of the Australian Research Council, and Director of the Cloud Computing and Distributed Systems (CLOUDS) Laboratory at the University of Melbourne, Australia.



- Emerson Climate Ltd. Karad has visited institute on 13-3-2015 to distribute the scholarship of Rs. 2.00 Lakh to meritorious and needy students.



- Medical checkup camp was organized for teaching and non-teaching staff for to check up Lipid Profile and sugar level. Dr. P. T. Shah visited on 18th April, 2015 to delivered lecture on preventive health care based on the medical test reports of faculty and staff.



- Bharat Forge Ltd., Pune has visited for Quantum 2015 function on 23, 24th April, 2015



ALUMNI ACTIVITIES

- Registered RIT Alumni association (Maharashtra/55/11/Sangli) with 4000+ alumni members. Each passing out student becomes member of association by filling out Alumni Association membership form
- Conducts expert lecture to enhance learning and knowledge of students
- Organize industrial visits to explore the industry environment to students
- Alumni sponsors Silver medals to rankers of Undergraduate and Post-graduate programs
- Alumni help in training and recruiting students
- Quarterly publishes RIT alumni newsletter "RIT Communique" which reaches to 300+ industries and all of our alumni. Motivates and appreciates alumni by publishing achievements and updates of alumni in "RIT Communique"



An Alumni News Letter

RIT Communique

A Quarterly Publication of Alumni Association

VOLUME 4 | ISSUE 4 OCTOBER - DECEMBER 2014

Celebration of Second Graduation Ceremony on November 18th, 2014

(Kasgaon Education Society)

RAJARAMBAPU INSTITUTE OF TECHNOLOGY, RAJARAMNAGAR

RIT celebrated its Second Graduation Ceremony on Tuesday, 18th November, 2014. The Programme Completion Certificates were conferred upon 179 M. Tech and 115 M.B.A. students on this gracious occasion.

The Chief Guest Dr. G. D. Yadav is a known celebrated academician and researcher, Director, Institute of Chemical Technology (ICT), Mumbai, a world class academic and research institute. The Guest of Honour was Dr. A. S. Bhoite, Pro-Vice-Chancellor, Shivaji University, Kolhapur. The function was presided by Shri. Bhagatsinh Patil, Chairman, Board of Governors, RIT, Principal R. D. Sawant, Secretary, Kasgaon Education Society and Member of the BoG. and Dr. Sushma Kulkarni, Director of RIT. The esteemed members of Board of Governors, Members of Academic Council, Members of Board of Studies of various departments, officials of Shivaji University, Kolhapur, Academicians and Industry persons from Pune Region, parents of graduates and other invitees totaling around 1500 in number were present for this August gathering.

The academic procession led by the topper amongst all Programmes held flag of the Institute followed by all dignitaries and graduates. The audience stood up as a mark of respect. After the holy lamp was lit by the Chief Guest, a welcome song was presented by students of Music Club of RIT. The dignitaries were briefly introduced followed by their felicitations by the Chairman of BoG. Director presented the annual report of the Institute highlighting the recognitions and rewards received during the last year and also mentioned various initiatives taken by the Institute in academics and research and development.

The Institute has started a new international journal devoted to developments in the field of engineering education, viz. Journal of Engineering Education and Transformations (JEET). This journal is a revived form of a long standing National Journal, Journal of

An Alumni News Letter

RIT Communique

A Quarterly Publication of Alumni Association

VOLUME 5 | ISSUE 1 JANUARY - MARCH 2015

Organized Technosphere 2K15 on 27th and 28th February, 2015

From Left - Prof. Ajit S. Mali (Event Coordinator), Prof. S. S. Patil (Head, CSE Department), Director of RIT Prof. Dr. Mrs. S. S. Kulkarni, Mr. Mithlesh Pande (Resource Person from Geeklabs, New Delhi), Prof. S. A. Thoreat (Head, IT), Prof. Ms. P. T. Sawant (Event Coordinator), during inaugural function of "Technosphere 2K15".

The Department of Computer Science & Engineering and Information Technology from Rajarambapu Institute of Technology, Rajaramnagar organized technical event "Technosphere 2K15" on 27th and 28th February, 2015 in association with CSI Student branch, Pune chapter and Lead College Activity, Shivaji University, Kolhapur. Around 550 students from various Engineering colleges of Sangli, Satara and Kolhapur district participated in Technosphere 2K15.

The workshop on "Cloud Computing and Virtualization" was organized on 27th February, 2015. Mr. Mithlesh Pande from Geek Labs, New Delhi was resource person. The Technical and Non-Technical events like Idea Presentation, Zenith, Technohunt, Code Blitz and LAN Legacy were organized on 28th February, 2015.

In Idea Presentation event, an innovative Engineering idea that can be frugal, feasible and with an action plan is presented. This is the platform for participants to present ideas from all Engineering disciplines.

The Zenith event is about presenting the concepts. It is a technical treasure hunt, open for all. Each team will receive an identical set of clues and a map, and the team will solve clues containing wordplay, trivia, puzzles, anagrams, math, and other fun challenges. In CodeBlitz, the Ultimate Coding Challenge is faced by participants. This is a programming challenge open for all. CodeBlitz measures the programming knowledge by lines of codes and tricks or logic. "It is a race between Software Engineers striving to build bigger and better idiosyncratic programs and the Universe trying to produce bigger and better idiots". Programming can be done in C, C++ or java which rule in industries. In this event the student will be given several problem statements and they have to develop programs based on that, within stipulated time.

Alumni meet was held on 1st March, 2015 at Shree Rajiv Gandhi International School, Pune. Our alumni are awarded with Prerana Puraskar for year 2014-2015.

- Mr. Vitthal Dhondiram Chavan (Auto.)
- Er. Sandeep R. Hake (Civil Engg.)
- Mr. Gourav J. Shah (Comp. Sci. & Engg.)
- Mr. Vinayak Parshetti (Electrical Engg.)
- Mr. Shailesh S. Kulkarni (Electronics)
- Mr. Jaideep Mohite (Information Technology)
- Mr. Vinod H. Kulkarni (Mech. Engg.)
- Mr. Amol Patvardhan (MBA)



QUALITY CIRCLE ACTIVITIES

Quality Circles has been an essential component of education and it has been used as an important tool to improve quality of technical education at Rajarambapu Institute of Technology (RIT), Rajaramnagar, from last more than fifteen years.

As a part of quality circle activity in the institute, faculty groups from nine departments in institute are asked to identify the work related problems, apply quality circle methodology and develop as well as implement the solutions in order to contribute to the academic empowerment. Quality Circle teams are given a theme to work upon such as, 'How to make learning enjoyable in the class', 'Technology development' etc. Theme for the academic year 2014-15 was 'Improvement in class room delivery'. In the first semester, a team of faculty members from all the nine departments in the institute had identified a course each and designed a detailed course plan to include innovative teaching methodologies for delivery of instructions. The team members initially identified various innovative teaching techniques and selected appropriate ones according to suitability and need of the course content. In the second semester designed course plan was executed for a selected course, sessions throughout the semester by implementing innovative teaching methodologies. Various tools such as Project Based Learning, Think Pair Share etc. were effectively used as modern pedagogical tools for delivery of instructions during class room sessions.

During the tenure of implementation of designed innovative teaching methodologies, feedbacks were collected from the students in the form of questionnaire or interviews and suggestions were incorporated to make it more effective. The evaluation of effectiveness was done with the comparison of ISE, MSE and ESE marks as well as attainment of Course Learning Outcomes of the courses under consideration for the present and last academic year. The intension behind such an exercise was to improve class room delivery and achieve an enhancement in attainment of course outcomes for the courses under consideration. Annual final presentations of the activity took place on 29th June, 2015 to evaluate the performance of the teams on the basis of meeting register, activity report submitted and presentation of the work. Accordingly, top three ranked teams were given away prizes and top two teams qualified for participation in Chapter Convention on Quality Circles (CCQC) to be held at Quality Excellence Centre in Pune towards the end of September, 2015.

This kind of Best Practices activity gives the faculty members an opportunity to come together, work collaboratively towards a common goal and understand systematic methodology for problem solving of any type. It gives them an opportunity to be recognized at institute, state, national and international levels and gives them a chance to experience joy of learning.

ACADEMIC AUDIT

The process of Academic Audit captures the classroom dynamics in an environment of ease and comfort. Class room dynamics here refers to delivery effectiveness, learning experience of students with different learning preferences and styles, factors that hinder the effectiveness of both teaching and learning. A detailed audit process is laid down including the guidelines to auditors and post audit counseling to faculty. The audit is designed to capture the five important dimensions of a teacher namely; subject knowledge, preparation and delivery, communication, class control and concern for students and opportunity to interact. Based on the scores the faculty competency improvement is planned and appropriate actions are initiated to train the faculty in the specified dimensions. The outcome of the audit is evident in terms of improved learning outcomes, enhancement of teaching deliveries and competency, collaborative learning, good academic environment. The Institute is practicing Academic Audit since 2009-10. In spite of initial teething problems during implementation, the audit model is tending towards maturity with a substantial co-operation from both faculty and students. The improvement in teaching index of the institute since implementation is represented in Table (1). The outcome of the audit is evident in terms of improved learning outcomes, enhancement of teaching deliveries and competency, collaborative learning, good academic ambience.

Sr. No.	Teaching Dimensions	Weightage	Scores 2009-10	Scores 2014-15	Percentage Improvement
1.	Subject knowledge	3	1.80	2.1	10
2.	Planning & Delivery	3	1.76	1.8	1.34
3.	Class Control	1	0.51	0.65	14
4.	Communication & English	1.5	1.01	1.12	7.32
5.	Accountability & concern for students learning	1.5	0.90	1.05	10
Overall scores		10	5.98	6.72	7.4
Note: (The figures indicate the average for the institute)					



Editors' Report

December 2015

Under the leadership of Prof. Krishna Vedula (Editor in Chief) and Dr. Sushma Kulkarni (Editor) the Journal of Engineering Education Transformations has gained popularity around the globe. Total submissions to the regular journal increased by approximately 46%. We introduced a trial to scan all accepted papers through anti-plagiarism software before publication. JEET has launched a moodle platform developed by Prof. S.A. Thorat, where all the faculties can post their views and can have discussion. We are planning to launch social media account for the same.

Website : <http://www.journaleet.org/>

Journal and Editorial Performance

The team of the Journal is composed of eminent personalities all over the world.

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Founder and Executive Director, Indo US Collaboration for Engineering Education (IUCEE) krishna_vedula@uml.edu

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Circulation Statistics

There are currently 234 institutional and individual subscriptions to The Journal of Engineering Education Transformations. This compares with 102 at the end of 2014. As in previous years we expect further renewals and new subscriptions to be confirmed well into the final quarter of the year.

Plagiarism Checking

We introduced a new system under which we scan all accepted papers through anti-plagiarism software before publication. We are using Turnitin software. The software has mainly flagged up issues related to authors omitting to reference their own prior work. These omissions have been rectified before publication.

Indexing

The Journal is listed in i-Scholar and J-gate. The indexing for Google Scholar and Scopus is in process.

Looking Forward

The main job of the Editors and Managers is to ensure that turn-around times remain low and that the best quality papers are accepted for publication; this will remain the focus of our efforts and attention.

Looking forward, we are considering ways that we can work with the publishers to raise the profile of the journal nationally and internationally. We are also running targeted marketing campaigns and considering ways to develop the ancillary resources that are available with published articles.

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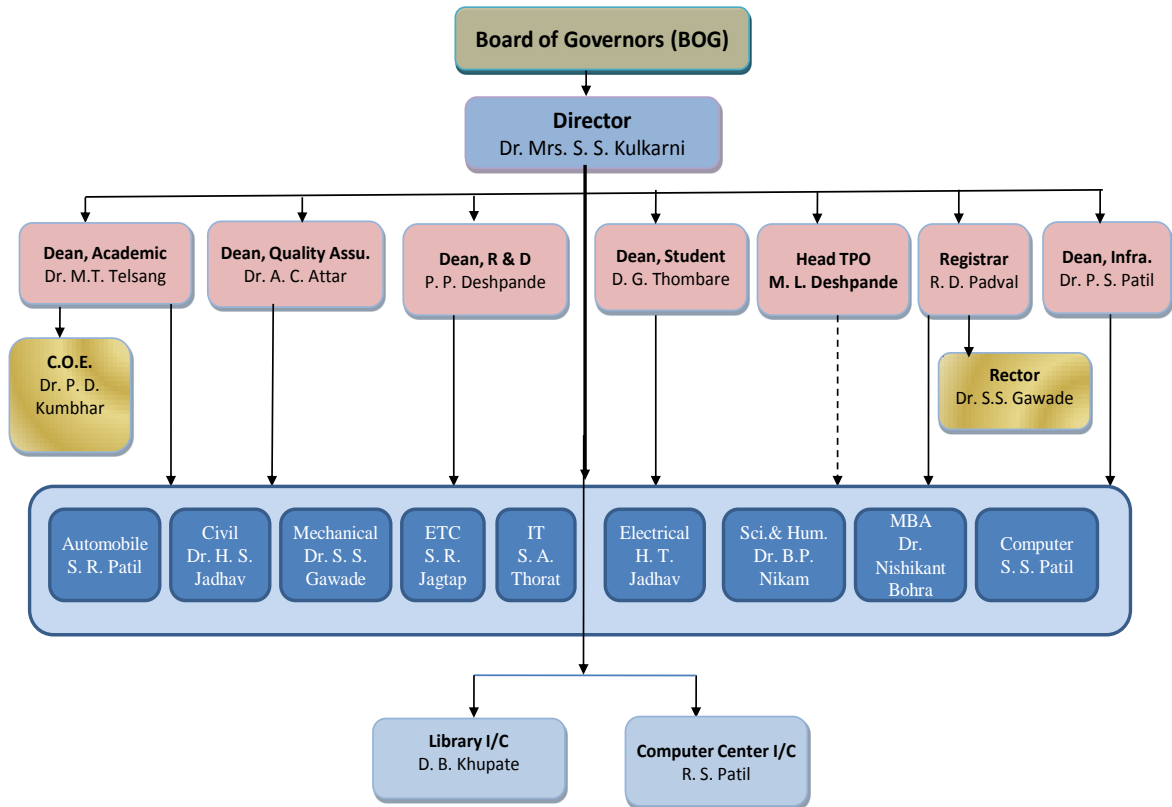


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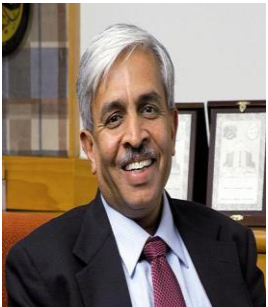
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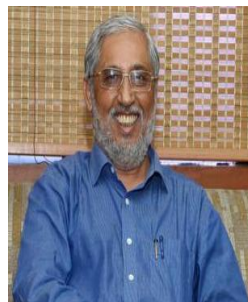
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