ANNUAL REPORT
2017 - 2018

Marwadi University

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PROVOST'S
REPORT

1st Convocation of Marwadi University, 21st October 2018

I take this opportunity to welcome the distinguished dignitaries present on the dais;
Shri. Bhupendrasinh Chudasama, Hon. Minister of Education, Government of Gujarat, Shri. Ketan Marwadi, President, Marwadi University, Shri. Jitendra Chandarana, Vice President, Marwadi University, other dignitaries and invitees off the dais, Members of the Boards, Trustees, Deans of Faculty, Directors of concurrent Institutions within the premises of the University, Registrar, faculty members, staff members, parents, ladies and gentleman and my dear students present before me in this august gathering while I share the 1st annual report of the University after its inception in 2016 in the first convocation. My report, that I present before you is precipitate of the printed annual report shared with you all.

MEFGI was established in the Year 2009 with the purpose of providing quality education that would align to the national needs. MEFGI believes that the best way to patronage philanthropy is through the route of education that leads towards growth and omniscient development of all participating entities within the premises of the socioeconomic ecosystem & borders.

Our belief and success vest on the fact that we "Make-happen participation". We believe in "PARTICIPATION", which is the better way to deliver education for life and living. Participation provides the platform to enable, experience and empower, that eventually help the students to Learn, Lead and Light. This being our practice and our Tao. I share to establish the above fact that recently Marwadi University received an award, securing 3rd Position under the category "Highest Student Participation" in the "SMART GUJARAT FOR NEW INDIA HACKATHON-2018" event where-in 160 College Teams from across the State had participated. This Award was received by the students of MU in a function organized by the Government of Gujarat in the presence of the Chief Minister and Education Minister. Our learning philosophy emanates from within, the 3H's, vis-à-vis, the Heart, the Head, and the Hand. The Head ensures – that knowledge is instilled, Hand assures – that skill is acquired, and the Heart insures – participation with attitude happen. With the above as our prime objective our education structure is positioned for Industry readiness, creativity, enthusiasm, scientific patriotism, nation patriotism, and entrepreneurship. The 3T structure is about training of the minds – knowledge – the essential good science; for the purpose of markets – skills, both hard and soft – the essential skill associated with the good science; and thereby being in mindful state & pleasant attitude – working and living – the essential awareness that learning is lifelong and by self.

Our Education Positioning:
It's Student centric, Nation centric

Since inception; MEFGI and MU has been sensitive to the learning needs of the individual needs of students and the nation's national socio-economic interests. National initiatives, spearheaded by our
Hon. Prime Minister Shri. Narendra Modi, such as Make in India, Start-up India, Skill India and Digital India, has been weaved into the education scheme and is an integral part of student learning curriculum.

I am pleased to share that Government of Gujarat, under the visionary leadership of Hon. Education Minister and Principal Secretary, Education Department has recognized Marwadi University under the Student Start-up and Innovation Policy (SSIP) program and has sanctioned a generous grant of Rs. 1 Cr. to promote innovation at Marwadi University. Marwadi University is also recognized as Nodal Institute by Industries Department, Government of Gujarat and with the start-up registered received a start-up grant of
Rs. 10 lakh per project. In this august gathering, continuing the trail, I would like to also share that Marwadi University has been selected by Department of Science and Technology (DST), Government of India to set up New-Gen Innovation and Entrepreneurship Center at the University, we have received a Grant of
Rs. 2.50 Cr. for the center.

Marwadi University is committed to providing Skills that eventually contributing to the economy by way and means of producing manpower that can be directly employed. In recognition of this CED of Industries Department has released matching grant to the tune of Rs. 1 Cr. in order to establish the Center of Excellence in Foundry Technology in association with our Industry partner M/s. Jyoti CNC Ltd. Following this development MU is recognized as one amongst the four third-party skill assessment agency in Gujarat.

I am pleased to share that the NSS wing at Marwadi University has actively undertaken a series of activities towards Nation Building such as participation in Government of India's Unnat Bharat Abhiyan by adopting six nearby villages with commitment to contribute in the overall development of the village.

Learning Quality Validation and Recognition

MEFGI Technical campus, conceived in 2009 has witnessed transformation in our initiatives of teaching learning philosophy by incorporating the 3T structure. The eight-year existential track generated a plethora of data providing real-time perspectives and opportunities for betterment, which we attended. To help evaluate our learning delivery quality, we submitted our application to NAAC, an independent quality evaluation body of the Ministry of HRD, Govt. of India. A team comprising of 3 experts at the level of Vice Chancellor and Directors visited our campus in the second week of November for 3 days. And, I am pleased to share that the committee stamped our education structure with an A+ Grade with the highest marks allocated to our innovative 3T structure system. Today, Technical Campus is the only professional institution with programs in Engineering, MCA and Management in Gujarat that has achieved this hallmark – an Accreditation Flag of being A+ Institute. Approximately less than 4% of the colleges in higher education are accredited A+ Grade.

Established by the Gujarat Private University Act 9/2016, Marwadi University offers a wide spectrum of professional and non-professional courses and programs that caters to the needs of diverse students hailing from various age groups. Marwadi University is currently offering 18 courses in 9 Under Graduate programs, 9 courses in 5 Post Graduate programs, 7 Courses in Diploma program and PhD program in the disciplines of Engineering, Science, Commerce, Management, Architecture, Design, Agriculture, Pharmacy, Law, and Research Studies. In the next Academic Year, we are poised to start programs in Physiotherapy and Nursing.

The syllabus has been incorporated in consultation with the industry experts and national needs. The syllabus preparation structure comprises of leading academicians and industry experts making industry ready pupils. I am pleased to share that the leading IT giant, Oracle appreciated the efforts of the University by making the student competitive and employable by successfully incorporating the Oracle academy syllabus with the University syllabus in Nov 2017.

Infrastructure at MU

The University academic building area is spread in 10 hectors with pristine landscaping. The campus is Wifi enabled with fiber optic backbone for high speed connectivity. New 1.63 lakh sq. feet 10 floor infrastructure has been erected this year to provide expansion and incorporation of new-age multidisciplinary courses and programs. New 1.96 lakh sq. feet area incorporates canteen, banquet and recreational facilities has also been erected this year to feed the diverse needs of the campus. The University has erected sports and recreational facilities that meet state-of-the-art requirements.
I am pleased to share that modern infrastructure and digital connectivity has attracted MU to be the host to most public and national initiative schemes. Marwadi University was the 1st Mentor University to host A National level Hackathon "Rajkot Smart City – Hackathon 2017", wherein 285 Teams participated, worked non-stop, round-the-clock for 72 hours to design solutions for 101 societal problems. The event was graced and inaugurated by The Chief Minister of Gujarat Shri. Vijaybhai Rupani. The Innovation Lab at Marwadi University organized and was the host to the biggest Google class room, one-of-its-kind in the country, wherein live workshop on coding was taught to students hailing from Gujarat; more than 500+ students had participated in the event.

Library Resources

I am pleased to share that the Digital Hi-speed fiber optic backbone for knowledge assess and exchange has been created to promote digital learning and awareness among students. Mobile application software created by Marwadi University enables and empowers student and faculty to gain benefits of knowledge and digital contents. Kindle devices are issued to students for accessing the digital library at Marwadi University. Currently 53000+ Books, 158 Print-Journals & Magazines, E-books of 500+ CDs, 3368 of DVDs, 15 Kindle Devices and eBooks of 500000+ are available in the Central Library of the University. The library is equipped with 3 cyber rooms for live digital content consumption.

Faculty Diversity

At Marwadi University we believe in bringing-in and nurturing diversity. The best way to make this happen is to recruit diverse faculty from Institutions of repute. I am happy to share that 50% of our teaching faculties hail from leading institutions across the Country and worldwide. Just to share data, we have appointed faculties from more than 20 states of India and 5 developed countries.

We at Marwadi University understand the importance of training the trainers especially in pedagogy. The University has made it mandatory for all teaching faculties that join Marwadi University to acquire teaching competence offered by various professional bodies and through an in-built facility "Learning & Development" that offer in-house programs before the teaching-faculty can start to deliver teaching.

I am pleased to share that more than 90 faculty members have been certified by IUCEE (Indo Universal Consortium for Engineering Education – an independent standalone body with presence in all common wealth accord countries) and 278 faculty members have completed level 1 & level 2 offered by our in-house learning & development programs on pedagogy. I am also pleased to notify that 25% of our faculty workforce around the year is under training and retraining programs, with the vision to maintain quality standards in teaching delivery.

Student Diversity

Programs at MU attract students across continents and states. They are growing at 2% per year. Currently we have 62 international students from 12 countries and we are one amongst the three institutes selected by Government of India under the Study in India program. This has attracted international students to Marwadi University. As part of the Hon. Prime Minister's education scholarship initiative offered to students hailing from Syria. I am pleased to share 52 Syrian students are expected to join Marwadi University this year under the above said 'Study in India' program.

The present gender ratio at Marwadi University is 1 Female student: 4 Male students and is fast converging towards 1:3. I am please to share with you that out of 166 graduating students on record in the 1st convocation 126 are the female students, which translates to 76 %.

Contributing to knowledge growth is the fundamental purpose of existence of a University. We at MU promote the culture of creating knowledge through Research, Consultancy, Projects and of course student's creative ideas that lead to innovations and start-ups. The previous year has witnessed, 380+ research publications by our faculty members, out of which 96 papers were in high impact value journals. We have filed 20 research patents, received grant against 13 research projects, generated a revenue of 2.55 Cr fund under the header of consultancy and have developed one NABL approved Civil Material Testing Laboratory.

MU believes in the culture of global presence. I am pleased to share with you that the global knowledge and resource exchange initiative has gained momentum. Marwadi University has signed MoU with four European Universities under ERASMUS+ program. Our four professors Prof. (Dr.) R. B. Jadeja, Prof. Amit Ved, Prof. (Dr.) Nikunj Rachchha and Prof. (Dr.) Amit Sata under ERASMUS+ mobility program have visited University of Pitesti, Romania and successfully delivered 2 weeks course lecture to the students as a part of their teaching assignments. In reciprocation two professors, Prof. (Dr.) Mihai OPROESCU and Prof. (Dr.) Vasile-Gabriel IANA from University of Pitesti, Romania visited Marwadi University in April 2018 to deliver two week course lectures to the students of Marwadi University under the above said program. In a short time spanning two years, Marwadi University has signed MoU's with 6 international Universities in Europe, USA, Australia and Israel. In a recent development, we have also signed a Major MoU with COIMBRA group, a consortium of Brazilian Universities comprising of 70 Universities in Brazil to facilitate faculty and student mobility in terms knowledge exchange, research and credit transfers.

I am pleased to share with you some of the notable distinctions and awards that have been achieved by the University recently;

1. Best upcoming University of India 2018 by ASSOCHAM National Excellence Awards 2018.
2. University of the Year (West) by Times Now Indian Education Awards 2018.
3. Smart University award by SKOCH Smart Education Awards 2018.

Finally our produce must be recognized by Industry and Society. At MU we consider Placement as the final measurement. It is our twin-edged instrument that functions as a compass and a barometer to our education that we deliver to the markets. I am pleased to share that, the University is rapidly becoming the first choice of top corporate across many Industry sectors that are seeking Industry ready talent pool to seamlessly integrate, on day one with day to day operations of the organisation. I am happy to share that every student at Marwadi University is trained with specific skills, specialized knowledge and a humble attitude that is necessary to be successful in the interviews and selection processes.

The detailed reports of all departments are included in the University report and I am sure that you will be able to appreciate the granular focus of attention and training extended to each student that happens at Marwadi University. The Marwadi University community feels honored by the gracious presence of the distinguished dignitaries on and off the dais at this 1st Convocation of the University. I congratulate the students, who have received the gold medals for their meritorious work. I wish all the graduating students success in all their endeavors. Today, I want to say to all graduating students that we want to remain in touch with you always, through Marwadi University Alumni Association. Please participate in all the events organized by the Alumni association and keep coming back to the campus.

At the end, I want to thank the entire Marwadi University staff for the hard work that they constantly put day after day, month after month. I thank all those, who are associated with GTU today as well as all those, who worked for it during its formative years. Senior academicians and technocrats are amazed about the bestowment of A+ Grade from the NAAC in a very short span of time. All of this is only possible with the responsible-humble-cooperation by the present members of the Marwadi University family.

Jai Jai Garvi Gujarat.
Jai Hind.

Dr. Y. P. Kosta

PART 1

- Marwadi University at a Glance
- Awards & Honors
- Members of Board of Governors
- Board of Studies

Inception

In 2007-08 the availability of world class academic facilities in Saurashtra region were sparse which encouraged Marwadi Group, Rajkot with righteous and competitive endeavors to inaugurate Marwadi Education Foundation's Group of Institutes by offering Technical and Professional UG & PG courses like B.E, MBA and MCA under the auspices and financial bequest of Marwadi Family. Thus Marwadi Education Foundation's Group of Institutions was incepted as a major organ of Marwadi Education Foundation's Group of Insitutions [MEFGI] in 2008, under the Bombay Public Trust Act 1950. Marwadi Education Foundation's Group of Institutions is a body promoted by Marwadi Shares & Finance Limited; a major stock broking company in India & Chandarana Intermediaries Brokers Pvt. Ltd. Since its inception Marwadi Education Foundation's Group of Institutions were affiliated with Gujarat Technological University.

Commitment to provide best and industry relevant education received an overwhelming trust from the society and in order to blend Engineering with Science and support them through Management and Law disciplines and have multi disciplinary course offerings in Science, Commerce, Arts, Health, Management and Engineering, Marwadi Education Foundation proposed to establish "Marwadi University' in the Year 2016. Marwadi University bill was introduced and passed in Gujarat Assembly and Marwadi University was established by Gujarat Private Universities act no. 9 of 2016 on 9th May, 2016.

Vision

Our vision is to address the challenges faced by our society and planet through education that builds capacity of our students and empowers them through their innovative thinking, practice and character building. This, in turn, would boost their creativity while making them responsible towards the utilization of the limited natural resources to face the challenges of the 21st Century.

Mission

- To produce creative, responsible and informed professionals
- To produce individuals who are digital-age literates, inventive thinkers, effective communicators and highly productive
- To deliver cost-effective quality education
- To offer world-class, cross-disciplinary education in strategic sectors of economy through well devised and synchronized delivery structure and system
- To provide a conducive environment that will enable students to experience higher level of learning acquired through constant immersion leading to the development of character, virtues, values & technical skills

Practiced Values

- Concern for Character
- Concern for Knowledge
- Concern for Practice
- Concern for Academic Excellence
- Concern to be Creative
- Respect for the Individual
- Concern for the Society
- Transparency in Action

UNIQUE 3T STRUCTURE

Today Corporate needs thinking, flexible and proactive professionals who are accustomed to collaborate with co-workers to achieve set deliverables and are professional to the core. To support such a vision, Marwadi University has devised structure with the sole aim of overall development of a student getting out of the campus. The structure has also envisaged the personal needs of these students who should learn to give back to society.

Marwadi University follows 360-degree education model which ensures that student acquires key technical and soft skills and possess all the necessary attributes that ensure a successful career. Unique Three Tier structure ensures that there is ample opportunity for every individual to learn all the educational and professional attributes.

Unique Education model ensures that every student passes through the rigorous academic, technical and soft skills program which enables delivering high-quality learning in compliance with International standards that would create high-quality professionals who can withstand the future challenges and innovate methodologies and will have abilities to work in the dynamically revolutionizing global industries with spectacular productivity.

There is a360-degree learning opportunity for every individual at Marwadi University.

CURRENT PROGRAMS OFFERED

The University has well crafted and developed programs in the disciplines of Engineering and Science, Commerce and Management, Computer Applications, Pharmacy, Law, Agriculture, Architecture and Research studies. The programs/courses are blended towards shaping of students to having cutting edge knowledge and to face industry requirements.

Faculty of Engineering

Bachelor of Technology (B.Tech.)

- Automobile Engineering
- Mechanical Engineering
- Civil Engineering
- Computer Engineering
- Information Technology
- Information & Communication Technology
- Chemical Engineering

Master of Technology (M.Tech.)

- Chemical Engineering
- Computer Engineering
- Civil Engineering

Faculty of Science

Bachelor of Science (B.Sc.)

- Microbiology
- Chemistry

Master of Science (M.Sc.)

- Microbiology
- Chemistry
- Physics
- Maths

Faculty of Liberal Studies

- B.B.A
- B.B.A. (Hons.)
- B.Com

Faculty of Business Management

- MBA

Faculty of Pharmacy

- B.Pharm

MEFGI Diploma Studies

- Mechanical Engineering
- Civil Engineering
- Electrical Engineering
- Computer Engineering
- Chemical Engineering

Faculty of Computer Applications

- B.C.A.

STUDENT ENROLLMENTS

Department	Branch	2017-18	Total Students
ENGINEERING	AUTOMOBILE	30	39
	CHEMICAL	56	99
	CIVIL	16	46
	COMPUTER	151	271
	ICT	29	29
	IT	61	103
	MECHANICAL	33	63
BSc	CHEMISTRY	60	115
	MICROBIOLOGY	60	116
MSc	CHEMISTRY	60	109
	MATH	12	24
	MICROBIOLOGY	60	99
	PHYSICS	34	60
BBA	BBA	120	240
	BBA (HONS.)	80	154
BCOM	BCOM	30	60
BCA	BCA	60	107
MBA	MBA	58	118

GRADUATING STARS OF MARWADI UNIVERSITY – 2018

Awardees for Gold Medal

GR. No.	Student	Stream	CGPA
101111	MINAZ MAHAMADBHAI VHORA	MBA - FOBM1 (MU)	7.46
101002	VAISHALI DHEERUBHAI KACHA	M.SC.(CHEMISTRY)	9.6
100487	NISHA PRAVINBHAI UMARANIYA	M.SC.(MICRO)	9.49
100985	DAVE GAURAV SHAILESHBHAI	M.SC.(PHYSICS)	8.78
100568	VARU DIVYA NAGABHAI	M.SC.(MATHS)	10

Branch Wise Student Pass out - Summary

PROGRAMME NAME	TOTAL
FACULTY OF SCIENCE	114
FACULTY OF BUSINESS MANAGEMENT	23
GRAND TOTAL	137

AWARDS & HONORS

- Best Upcoming University of India 2018 by ASSOCHAM National Excellence Awards 2018.
- University of the Year (West) by Times Now Indian Education Awards 2018.
- Smart University Award by SKOCH Smart Education Awards 2018.
- Innovative Learning & Teaching Awards by ET NOW – Making of Developed India Awards for Excellence in Education.
- Transformational Leader in Engineering Education Award by IUCEE 2018.
- "Young Achiever's Award" received by Shri. Ketan Marwadi (President, Marwadi University) by ZEE 24.
- "Young Achiever's Award" received by Shri. Jitubhai Chandarana (Vice-President, Marwadi University) by ZEE 24.
- Excellence in Placement by World Leadership Federation 2017.
- Innovation in Placements Award by ABP News National Education Awards 2017.
- Pedagogical Innovation Award - 2017 Getting maximum number of Teams Qualified in "Smart Gujarat for New India Hackathon-2018"

BOARD OF STUDIES

The Departments at University has formed Board of Studies consisting experts from Industry and Academics to guide and advise on matters pertaining to development of academic master plan, course structures and reviewing on feedbacks on academic progress.

Information & Communication Technology

B.E(ICT)	Dr. Maniklal Das	Professor, DAIICT.
	Dr. S L Maskara	Professor, IIT Kharagpur
	Dr. Jignesh Bhatt	Associate professor, IIIT.
	Dr. Bhaumik Nagar	Head, IT department, NID
	Prof. Chandrasinh D Parmar	Head of the Department, Marwadi University
	Dr. Rajendra Patel	Professor, Marwadi University
	Dr. Shobhit Patel	Professor, Marwadi University

Computer Engineering

B.E(Computer)	Dr. Ketan Kotecha	Director, Symbiosis International (Deemed University)
	Dr. Deepak Garg	Professor, Bennet University
	Dr. Amit Ganatra	Professor, Charusat University
	Dr. Apurva Shah	Professor, MS University
	Dr. Amit Lathigara	Associate Professor, Marwadi University
	Prof. Jay Teraiya	Associate Professor, Marwadi University
	Dr. Sunil Soni	Associate Professor, Marwadi University

MEMBERS OF BOARD OF GOVERNORS

Mr. Ketan Marwadi	Dr. K K Khakhar	Mr. Kishanbhai Patel
Mr. Jitendra Chandarana	Mr. Vikram Sanghani	Mr. Kiran Bhalodiya
Dr. Yogeshwar Kosta	Dr. R B Jadeja	Mr. Parakramsinh Jadeja
Mr. Deven Marwadi	Mr. Bijoykumar Bordoloi	Ms. Anju Sharma, IAS
Mr. Sandeep Marwadi	Mr. Harish Ranpura	Mr. Naresh Jadeja

Information Technology

B.E (IT)	Dr. Ketan Kotecha	Director, Symbiosis International (Deemed University)
	Dr. Deepak Garg	Professor, Bennet University
	Dr. Amit Ganatra	Professor, Charusat University
	Dr. Apurva Shah	Professor, MS University
	Dr. A mit Lathigara	Associate Professor, Marwadi University
	Prof. Jay Teraiya	Associate Professor, Marwadi University
	Dr. Sunil Soni	Associate Professor, Marwadi University

Mechanical Engineering

B.E(Mech)	Dr. S.B. Jadeja	Director, B.H.Gardi College
	Dr. D.P. Vakhariya	Professor, SVNIT
	Dr. Bharat Ramani	Principal, LTIET
	Dr. Ramdevsinh Jhala	Dean, Faculty of Technology Marwadi University
	Dr. Pinank A Patel	Associate Professor, Marwadi University
	Dr. Amit Sata	Professor, Marwadi University
	Dr. Ramesh Bhoraniya	Associate Professor, Marwadi University
	Dr. Nikunj V Rachchh	Associate Professor, Marwadi University

Automobile Engineering

B.E(Auto)	Dr. D.P. Vakhariya	Professor and Registrar, SVNIT
	Dr. Leenus Martin	Professor and He ad, SRM University
	Mr. Sandip Hazra	DGM, Tata Motors
	Prof. Nikhil J Chotai	Sr. Assistant Professor, Marwadi University
	Dr. Sarang Pande	Principal, Marwadi University
	Dr. Nikunj V Rachchh	Associate Professor, Marwadi University

Chemical Engineering

B.E. (Chemical)	Dr. Deepak Jain	Director - Pharmaceutical Sciences at Zoetis (Formerly Pfizer Animal Health)
	Prof. Ashish Gulabani	Sr. Assistant Professor, Marwadi University
	Dr. Ritesh Palkar	Assistant Professor, Marwadi University
	Dr. Amarpreetsingh Arora	Associate Professor, Marwadi University
	Prof. Nikhil Palherkar	Assistant Professor, Marwadi University
	Prof. Nirav Raykundaliya	Assistant Professor, Marwadi University
	Prof. Jitesh Joshi	Assistant Professor, Marwadi University

Civil Engineering

B.E(Civil)	Dr. Shirish V. Deo	Professor, NIT
	Dr. B.J.Shah	Professor, Govt Engg. College, Modasa
	Dr. Ankur Bhogayata	Associate Professor & Head of the Department, Marwadi University
	Er. M.V.Doshi	Consulting Structural engineer, Rajkot
	Dr. Tarak Vora	Associate Professor, Marwadi University
	Dr. Siddharth G. Shah	Professor, Marwadi University

Diploma Studies – Mechanical Engineering

Dip(Mech)	Mr. Jitendra N. Parekh	Partner, Quality calibration Center and Retd. Principal, Govt. Polytechnic
	Dr. Rajesh M. Patel	Principal, Marwadi University
	Mr. Navnit J. Patel	Head of the Department, Marwadi University
	Mr. Nishant Korat	Lecturer, Marwadi University

Diploma Studies – Computer Engineering

Dip(Computer)	Dr. Paresh P. Kotak	Principal, Government Polytechnic
	Dr. Dilip H. Ahir	Lecturer, Government Polytechnic
	Dr. Rajesh M. Patel	Principal, Marwadi University
	Prof. Mittal K. Joiser	Head of the Department, Marwadi University
	Prof. Hinal N. Shah	Lecturer, Marwadi University

Diploma Studies – Electrical Engineering

Dip(Electrical)	Dr. Ashit S. Pandya	Principal, AVPTI
	Mr. Bhavesh Makwana	Head, Hi -Tech Transpower Pvt.Ltd
	Dr. Rajesh M. Patel	Principal, Marwadi University
	Prof . Shantilal J. babariya	Head of the Department, Marwadi University
	Prof . Mruduraj Chudasama	Lecturer, Marwadi University

Diploma Studies – Chemical Engineering

Dip(Chemical)	Mr. Axay Swaminarayan	Head of the Department, Government Polytechnic
	Mr. Abhishek Kanabar	Design Executive, Mazda Ltd
	Dr. Rajesh M. Patel	Principal, Marwadi University
	Mr. Jitesh Joshi	Head of the Department, Marwadi University
	Mr. Ashish Gulbani	Head of the Department, Marwadi University

Diploma Studies – Civil Engineering

Dip(Civil)	Mr. Pankaj V Rayjada	Head of the Department, Government Polytechnic
	Dr. Rajesh M. Patel	Principal, Marwadi University
	Dr. Siddharth Shah	Head of the Department, Marwadi University
	Mr. Pratik Patel	Lecturer, Marwadi University

Diploma Studies – Information & Communication Technology

Dip(ICT)	Mr. Anirudhha Nagodara	CEO, Version Systems Pvt. Ltd.
	Dr. P.P.Kotak	Principal, Government Polytechnic
	Prof. Rashmikant Raghani	Head of the Department, AVPTI
	Prof. Chandrasi nh D Parmar	Head of the Department, Marwadi University
	Prof. Dharmendrasinh D Zala	Assistant Professor, Marwadi University

Diploma Studies – Automobile Engineering

Dip(Auto)	Mr. Kripalsinh Jadeja	Managing Director, Roger Motors
	Prof. Kirti Dhanesha	Professor, Govt. ITI
	Prof. Nikhil J Chotai	Sr. Assistant Professor, Marwadi University
	Dr. Sarang Pande	Principal, Marwadi University
	Dr.Nikunj V Rachchh	Associate Professor, Marwadi University
	Prof. Nikunj Mehta	Assistant Professor, Marwadi University

Faculty of Business Management

MBA	Mr. Chetan Bhojani	Founder, Add Value Consultant
	Dr. Sanjay Bhayani	Dean (MBA), Saurashtra University
	Dr. Sunil Kumar Jakhoria	Dean, Marwadi University
	Dr. M.S.Rao	Professor, Marwadi University
	Dr.Monica Verma	Assistant Professor, Marwadi University

Faculty of Liberal Studies

B.B.A / B.B.A (HONS.)	Mr. Murli Prashad	Managing Director, Head Hunt Hr Consultants Pvt Ltd
	Dr. Karunesh Saxena	Director, Mohanlal Sukhadia University
	Dr. Sunil Kumar Jakhoria	Dean, Marwadi University
	Dr. M.S.Rao	Professor, Marwadi University
	Dr.Monica Verma	Assistant Professor, Marwadi University
B.Com	Mr. Rakesh Patel	Senior Consultant in RAIN Group in India; Chief Consultant in SUMS CorpSolutions LLP
	Dr. H.C. Sardar	Professor, Gujarat University
	Dr. Sunil Kumar Jakhoria	Dean, Marwadi University
	Dr. M.S.Rao	Professor, Marwadi University
	Dr.Monica Verma	Assistant Professor, Marwadi University

Faculty of Computer Applications

B.C.A	Dr. Ram Murugesan	Director -Research, CARE
	Dr. Parag Rughani	Assistant Professor, GFSU
	Dr. Hardik Joshi	Associate Professor, Rolvala, GTU
	Dr. Parvez Faruki	Assistant Professor, Sasthri College
	Dr. R. Sridaran	Dean, Marwadi University
	Dr. Sunil Bajeja	Head of the Department, Marwadi University
	Dr. Divyakant Meva	Associate Professor, Marwadi University

Faculty of Law

B.Com L.L.B Hons / B.A L.L.B Hons	Prof. Bhavani Prasad Panda	Vice Chancellor, Maharashtra National Law University
	Ms. Daksha Baxi	Managing Partner, Khaitan and Co.
	Prof. (Dr.) Purvi Pokhariyal	Director & Dean, Nirma University
	Mr. Rodney D Ryder	Founding Partner, Scriboard Advocates & Legal Consultants
	Mr. Pranit Nanavati	Advocate, Gujarat High Court
	Ms. Winnie Shekhar	Partner, Induslaw
	Mr. Subhrarag Mukherjee	In-house Counsel, Hewlett Packard Enterprise
	Prof. Dabiru Sridhar Patnaik	Professor, Jindal Global Law School
	Dr. Rhishikesh Dave	Dean, Marwadi University
	Dr. Sunil Kumar Jakhoria	Dean, Faculty of Management, Marwadi University
	Dr. Dinkar V R	Professor, Marwadi University
	Dr. Rahul Nikam	Associate Professor, Marwadi University
	Dr. Nongthombam Bangkim Singh	Associate Professor, Marwadi University
	Miss. Shreya Banerjee	Assistant Professor, MarwadiUniversity

Faculty of Pharmacy

B.Pharm	Dr. M.M.Patel	Director, Shree Swaminarayan Sanskar Pharmacy College
	Mr. K.D.Patel	BAN Pharmaceutical Pvt Ltd
	Dr. Vipul P. Patel	Principal, Marwadi University
	Dr. B.N.Suhagia	Dean, Dharmsinh Desai University
	Dr. Lalji Baldania	Associate Professor, Marwadi University

Faculty of Science

B.Sc / M.Sc MICROBIOLOGY	Dr. Kuldeep Patel	Research Scientist, Baroda Agro Chemicals
	Dr. Satyaprakash Singh	Professor, Saurashtra University
	Dr. Neepa Pandhi	Professor, Virani Science College
	Dr. Gaurav Sanghvi	Assistant Professor, Marwadi University
	Dr. Ujwalkumar Trivedi	Assistant Professor, Marwadi University
	Dr. Mahendrapalsingh Rajput	Assistant Professor, Marwadi University
	Prof. Prinsa Siddhapura	Assistant Professor, Marwadi University
	Prof. Umesh Kumar	Assistant Profes sor, Marwadi University
MATHS	Dr. Ajay K. Shukla	Associate Professor, SVNIT
	Dr. B. I. Dave,	Professor, M. S. University
	Dr. J.C. Prajapati	Associate Professor, Sardar Patel University
	Dr. Subhanshu Goyal	Head & Assistant Professor, Marwadi University
B.Sc / M.Sc CHEMISTRY	Dr. Kamlesh Prasad	Research Scientist, CSMCRI
	Dr. Anamik Shah	Vice -Chancellor, Gujarat Vidyapith
	Dr. Naval Kapuriya	Associate Professor, Bhakt Kavi Narsinh Mehta University
	Dr. Vicky Jain	Head & Assistant Professor, Marwadi University
	Dr. Hetal Jebaliya	Assistant Professor, Marwadi University
	Dr. Mayank Mamtora	Assistant Professor, Marwadi University
	Dr. Subrata Pal	Assistant Professor, Marwadi University
	Dr. Vaibhav Mehta	Principal, Marwadi University
PHYSICS	Prof. Anil Roy	Associate Professor, Dhirubhai Ambani Institute of Information & Communication Technology (DA -IICT)
	Prof. Hiren Joshi	Head & Professor, Saurashtra University
	Prof. Kamlesh Pathak	Associate Profess or, Sardar Vallabhbhai National Institute of Technology (SVNIT)
	Dr. Jenishkumar Patel	Head & Assistant Professor, Marwadi University
	Dr. Yogesh Jani	Sr. Assistant Professor, Marwadi University
	Dr. Mukesh Keshvani	Assistant Professor, Marwa di University
	Dr. Vaibhav Mehta	Principal, Marwadi University
	Mrs. Saroj Hudda	Assistant Professor, Marwadi University
	Dr. Subrata Pal	Assistant Professor, Marwadi University

PART 2

- Developments & Achievements at Departments
- Student Placement & Training
- MU-Incubation Centre MU-I^{2}R
- Affiliations, Associations & Recognitions
- Linkages – National & International
- Research & Consultancy
- National Nation Building Initiatives
- Institutional Support
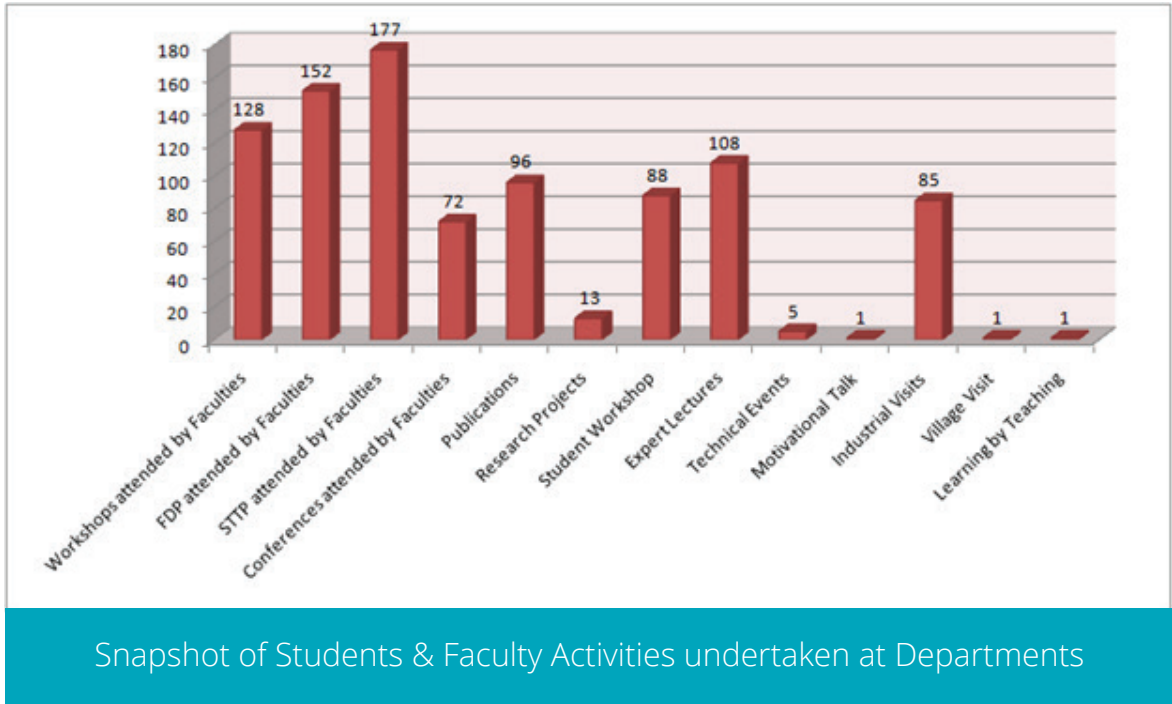- Infrastructure & Learning Resources

DEVELOPMENTS & ACHIEVEMENTS
AT DEPARTMENTS

The Academic Departments at the University truly believes that the ingredients like hand-holding, nurturing, coaching and mentoring, helps students to step-up into the corporate world and flourish into successful human capital. It strives in holistic development and involves in all round development of students for success in academic and professional arena.

Departments at University has adopted innovative curriculum. It provides heterogeneous curricula, pedagogy and assessment. Students are motivated to pursue their studies along with industrial visits, expert talks, workshops, individual and group research projects with faculty members, creating the perfect mix of new ideas and established expertise on each team engaged in a project or a class engaged in learning. Faculty members are encouraged to undergo series of trainings and workshops to enhance and sharpen their learning's and continuously improve teaching-learning techniques.

Snapshot of Students & Faculty Activities undertaken at Departments

CIVIL ENGINEERING
DEPARTMENT

Department of Civil Engineering at Marwadi University channelizes its efforts in grooming students and thus contributes to the growth and development of the nation in terms of foundation infrastructure as well as complex structures.

Workshops attended by Faculties	Expert Lectures	FDP attended by Faculties	STTP attended by Faculties	Publications	Conferences
20	10	28	51	10	5

Department Achievements

• NABL accreditation for all major laboratories.
• Indian students' chapter for American Concrete Institute.
• National and State level Government approved material testing consultancy cell.
• Schedule-I official auditors by GPCB authorities.
• Highest density of the International students at the campus.
• Industrial training for students by Hi-tech Engineering solution –MNC firm at Ahmadabad.
• State of the art heavy structural and concrete laboratories.
• Innovations in Teaching-Learning process by Demonstrative classroom teaching.

Laboratory Strength

The Department has developed laboratories for facilitating learning's and research for its students with an investment size of 1.80+Crs.

• Advance Fluid Mechanics Lab
• Advance Geotech Lab
• Structure Analysis Lab
• Advanced sophisticated laboratories

Consultancy Activities at Department – 1.50+Crs Consultancy Projects

The Department has developed laboratories for facilitating learning's and research for its students with an investment size of 1.80+Crs.

• Structural Consultancy
• Material Testing Consultancy
• Environmental Consultancy
• Geotechnical Consultancy
• Transportation Consultancy

Ongoing Projects

• Consultancy work for National Highway Authority of India – NH27
• Schedule I Environmental Auditors – Gujarat Pollution Control Board (GPCB)

Industrial Visits

The Department has developed laboratories for facilitating learning's and research for its students with an investment size of 1.80+Crs.

• Jaipur Metro
• Mundra Port
• Sardar Sarovar Dam
• Lavasa Township
• Electrotherm

MECHANICAL ENGINEERING DEPARTMENT

The Department aims to facilitate students with real-life scenarios rather than theoretical practice. It has set up labs and workshops which offers wide opportunities for practicing and learning the concepts of Mechanical Engineering through a hands-on practice session for creating, integrating and maintaining the mechanical components that are responsible for driving huge machinery.

Industrial Visits	Technical Talks	Departmental Faculty Training Programs	Publications	Projects Undertaken by the Department
22	10	4	2	1

Club Activities at Department

- CAD Club
- Advanced Manufacturing Club
- ASME Club
- SAE Collegiate Club
- Robotics Club
- DST funded project worth 37 lacs in collaboration with IITB (SMART foundry 2020)
- CED approved skill development center on rapid casting worth 1.25 Crs.

Event Participation in a Nutshell

- SAE Baja Racing Event
- SAE Effi – Cycle electric cycle event
- Robocon India
- ASME Human Powered Vehicle Challenge
- ASME Nirman Go-Kart racing event
- International Go-Kart Championship
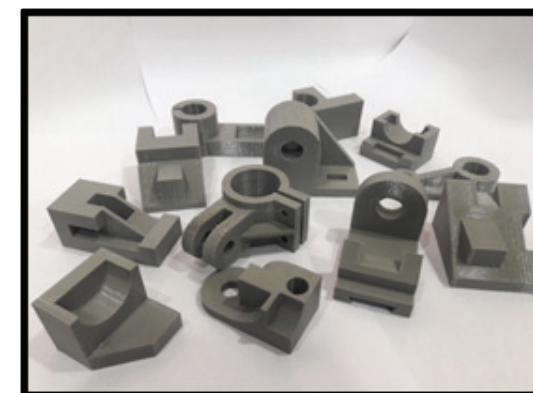
Students Achievements

1. Mr. Deep Gohil, student from the department got selected and represented India Team Camp for Minifootball World Cup – 2017 at TUNISIA, Africa from 6th October 2017 to 15th October 2017.
2. Secured 7th position in Design Human Powered Vehicle challenge for ASME E-FEST, ASIA PACIFIC-2017 organized at LNMIIT University, Jaipur – Rajasthan.
3. Secured position in top 15 teams out of 112 teams for ROBOCON INDIA 2017 held at Balewadi stadium, Pune.
4. Secured 1st Rank in ILLUMINATI-2017 held at ITM University, Vadodara during 09th to 11th February, 2017. The team was awarded with Certificate and a cash price of Rs. 40,000.
5. Participated and Excelled in BAJA, SAE-INDIA 2018 held at Pithampur, Indore MP.
6. Secured 16th Rank at All India Level for the LSCC International Go-Kart Championship-2018 event held at Lovely Professional University, Jalandhar.
7. Secured 2nd Rank in Endurance race and secured Overall 4th Rank in Asia Pacific Level, ASME HPVC ASIA PACIFIC 2018.

Faculty Achievements

1. Dr. Ramesh Bhoraniya, Associate Professor was awarded Best Technical Paper titled, "Global stability analysis of axisymmetric boundary layer over a circular cone" in 15th Asian Congress of Fluid Mechanics (ACFM 2016), Kuching, Malaysia, Organized by Institutes of Engineers Malaysia (IEM).

Project based learning in Engineering Graphics

Project Based Learning is implemented in 1st Year Engineering for the better understanding of Engineering Graphics. 3D models are created in AutoCAD software by students and these models are taken from their syllabus. The technique enhances visualization skill of students.

Laboratory Strength

The Department has developed its Laboratories with an Investment Size of 2.50+ Crs.

- Pneumatics Laboratory
- Hydraulics Laboratory
- PLC Laboratory
- Mechatronics Laboratory
- Advanced Manufacturing Laboratory
- CNC Machines
- VMC Machines
- 3D Printers

Bosch Rexroth Centre of Excellence in automation Technology in collaboration with Bosch Rexroth Germany

The center aims at training industry personnel and students of various institutions from Engineering and Diploma colleges in the Automation field to enable them to have hands on experience and up gradation of knowledge and skills which are essential for their progress in the field of industries.

Faculty Training at Germany Bosch-Rexroth

COMPUTER ENGINEERING & INFORMATION TECHNOLOGY DEPARTMENT

The Department has well-equipped labs with state-of-the art infrastructure, digital workstations with latest configurations and required software. The department aims to make students ready to tackle day to day digital needs of life, application of knowledge in computing, and to lay strong foundation of innovative learning and creative ideas.

Faculty activities at Department

Workshop/ Seminars/ Industry Trainings attended by Faculty Members	FDP	STTP	Journal Papers	Conference Papers
30	96	15	13	19

Faculty trainings arranged by University

Event	No. of Faculty Members
AICTE approved FDP	35
STTP/Boot Camp	24
FDP	18
Cisco Training	4
Workshop	1

Industrial Visits Organized

- Infosys – Pune, Mysore
- CDAC – Pune, Bangalore
- GBBN – Goa
- eInfochips – Ahmedabad
- FSL – Gandhinagar
- IPR – Gandhinagar
- Gateway – Ahmedabad
- BISAG - Gandhinagar

Laboratory Strength of Department

- IBM
- CISCO Networking Academy
- Cyberoam Lab
- Oracle Academy
- ICT Spoken Tutorials Lab

Achievements

1. The Department has received "Certificate of Appreciation" from ORACLE for successfully incorporating the Oracle academy syllabus with the University syllabus in Nov 2017.
2. Received award for "Outstanding Contribution" in MU Fest 2017-18 where 2000+ student entries received for 16 various tech and non-tech events.
3. 6 faculty members from the department are certified in IIT Bombay FDPs (FDP101x and FDP201x) in 2017-18.
4. Collaboration of 10 faculty members from Department in AI research group "LeadingIndia.AI" which being a nation-wide initiative on "AI and deep learning Skilling and Research" approved by Royal Academy of Engineering, UK under Newton Bhabha Fund.
5. IUCEE - IIEECP (Phase I, II and III) certified 9 faculty members in 2017-18.
6. 2 faculty members have successfully completed Doctoral studies and 7 faculty members have enrolled for PhD Studies in 2017-18.

Student Exchange Program

Student Exchange Program was scheduled to Technical University of Kaiserslautern, Germany where students from the Department had participated. During the summer program, students studied a variety of subjects ranging from various aspects of Renewable Energies, Innovation Management and Computer Studies. In addition to regular studies students were offered German language classes too during this Summer School which developed their basic competency of German language. Students also got the opportunity to interact with representatives of Indian students' group studying full-time at TU Kaiserslautern, which gave them an insight to various aspects of studying in Germany.

Year	University Visited	Country	No. of Student
2017	Technical University of Kaiserslautern	Germany	7
2018	Technical University of Kaiserslautern	Germany	5

Faculty Exchange Program

	From University	Duration	To University
Dr. Nitul Dutta	Marwadi University	Jun-Nov2018	Jan Wazykowski University Polkowice, Poland
Dr. Zdzislaw Polkowski	Jan Wazykowski University Polkowice, Poland	Oct-Dec 2017	Marwadi University

Faculty Achievement

Faculty Name	College	Award Detail	Year
Dr. Amit Lathigara	Thiagarajar College of Engineering, Chennai.	IUCEE Faculty Fellow	2018

Student Activities

Activity	No. of Student Participants
Non-Technical Events	822
Technical Events	1983
Total Students Participated	2805

INFORMATION AND COMMUNICATION TECHNOLOGY DEPARTMENT

Information and Communication Technology Department at Marwadi University provides a multi-disciplinary platform which emphasizes upon modern day real time applications. Due to the day to day changes in the field of science and technology, ICT program of Engineering facilitates and provides an opportunity to equip with the skills and knowledge required to design, implement & manage a variety of Information system. The teaching and learning process at the Department revolves around project based learning, industrial visits, interaction with experts from industries and hands-on series of workshop in every semester.

Expert Talk	Workshop	Industrial Visit	Student Projects	Village Visit	Learning by teaching	Motivational Talk
7	4	2	7	1	1	1

Student Achievements 2017-18

• Qualified for Final Round for project Mobile Restriction in Running Vehicles in Smart
  Gujarat for New India Hackathon 2017.
• Qualified for Regional Round for project Safe Alarming Distance in Running Vehicles in Smart Gujarat
• for New India Hackathon 2017.
• 3rd Rank in Project Presentation and Exhibition, IEEE, DA-IICT.
• 3rd Rank in Project Display at ITM University.
• 2nd Rank in Relay Coding at GTU TECHFEST, 2018 Zonal Level.
• 3rd Rank in Hardware Project Fair at Marwadi University (70+ Projects)

Projects undertaken by Students

• Safe alarming distance for Running Vehicle
• Mobile Phone Jammer
• Child Monitoring system using GPS & GSM
• IOT based Smart Home Automation System for Physical Handicapped
• Smart Chair for proper posture using Arduino and Accelerometer
• Secret Knock Detecting Door Lock
• Smart Street Light System for Digital India

Expert Talks

• Internet of Things by Mr. Niraj Trivedi, Qualcomm, USA
• Digital VLSI Design by Mr. Mehul Parmar, INTEL, USA
• Expe rt talk and interaction session by Rutul Patel, TATA Elxsi, Bangalore
• Artificial Intelligence and Machine Learning by Dr. Iana Gabriel, Romania
• Digital India-Need of ICT for sustainable development by Dr. K Subramanian, IEEE Delhi Section
• ICT-business trends by Dr. Zdzislaw Polkowski, Poland
• Motivational Talk on Life Experiences and Step to Success by Mr. Shailesh Sagpariya

Visit to Indian Space and Research Organization

Students were given hands-on experience and to visualize various satellites and launch vehicles. It provided a learning experience to know the purpose of satellites in the areas of remote sensing, fishing, agriculture, communication, education and its impact for future development of the country. Visit helped students to explore the software and hardware concept in satellite communication.

CHEMICAL ENGINEERING DEPARTMENT

Department has set-up its objective to explain the basics of environmental science and engineering to students. It aims to develop student to solve complex problems about an environment with the infusion of technology.

Faculty Participation

MOOC Provider	No of MOOC Courses	No. of Faculties
NPTEL	8	4
COURSERA	1	1
UN CC : Learn	1	1

Student Participation

Conference Name	Organized by	No. of students attended
RECYCLE 2018	IIT Guwahati	5
EGRWSE 2018	NIT Jalandhar	6
STIWM 2018	IIT Roorkee	2

Student Achievements

- Students Ms. Janki & Ms. Khevna participated in International Conference, "RECYCLE - 2018" organized by IIT, Guwahati and won 2 prizes.
- Mr. Mirang Patel & Mr. Karan students of MU along with Prof. Sneha Gautam & Prof. Pankaj Pathak, submitted paper in SCI Journal (Environment
- International – Elsevier Publication).
  Ms. Charmi Humbal student of MU along with Prof. Sneha Gautam & Prof. Ujawal Trivedi, published international paper in SCI Journal (Environment International ; 7.088 Impact Factor – Elsevier Publication).

Publications

No. of Publications	No. of Faculties
12	5

Achievements

1. Promotion of Research – 8 International Awards received by 5 Faculty Members
2. Faculty Participation in International Programs – 8

Paper Presentations by Faculty Members

Funding Organization	No. of Faculties attended
University of California, Berkeley, USA	1
Science & Engineering Research Board, Indian Government.	1

Laboratory Strength

- Laboratory Investment – 1.50 Crs.
- Well Equipped Environmental Chemistry & Microbiology Lab, Environmental Audit Lab, Wastewater Analysis Lab, Pollution Analysis Lab, Project and R&D Lab.
- SCADA Based Automatic Control Trainer
- Bubble Cap Tray Distillation Tower
- Water Cooling Tower
- Well Equipped Heat & Mass Transfer Lab, Mechanical Operation and Instrumentation Process Control Lab.

Research Projects

- Establish Kitchen Waste based Biogas Plant Projects funded by Gujarat Environment Management Institute.
- Biomedical waste inventorization of Rajkot & Morbi District.
- Wealth from waste by Vermicomposting.

INFORMATION AND COMMUNICATION TECHNOLOGY
DEPARTMENT

Electronics industry keeps on hunting for skilled professionals who can innovate new ideas and come up with better solutions for the problem domain. Keeping this as the aim of the Department, it keeps on discovering and researching on various aspects and applications of Electronics and Communication Engineering and has set up a brigade of professional engineers and researchers.

Research Activities

- Patents – 8
- Research grant received under INRSS/GAGAN Project, ISRO

Club Activities

- Robotics & Embedded Club in association with IIT Bombay.
- Aero Modeling Club
- Origami Club
- IEEE-APS
- IET

Student Achievements

- 3 Patents filed for student projects – "SNAPPER", "MOSQUITO BREED KILLER" and "WATER SHAVER"
- Student Project "RUDER" secured 1st position in Maker-Fest, Ahmedabad
- Mr. Madhav Patel, student at EC Dept. received grant of Rs. 20lakhs to conceptualize his project into product.
- Mr. Imtiaz Ansari, Start-up project secured position in top 10 at Intel Innovation Challenge and received approval of Rs. 70,000.

Industrial Visits

- e-Infochips, Ahmedabad
- BISAG, Gandhinagar
- Akashvani Rajkot
- Doordarshan Kendra, Rajkot
- CircuitTronix and SemiTronix Pvt. Ltd, Gandhinagar
- INS Valsura, Jamnagar
- Railway Telecommunication, Rajkot
- FM transmission, Rajkot.

ELECTRICAL ENGINEERING
DEPARTMENT

The objective of Electrical Engineering Department at Marwadi University is to prepare graduates as per industrial and societal needs. Graduates of the department are skilled to work with latest technologies including DSP, Microcontrollers, Power Electronics, Renewable, Modern Computer Tools etc. To achieve this goal, the department has equipped itself with team of highly qualified, committed and self motivated learners who nurtures the career of young and enthusiastic students as a teacher, guide and mentor. Department also nurtures human values, sense of responsibility and ethics for all stake holders.

Activities at Department

Industrial Visits	Expert Talks	Technical Events	Workshops
11	16	5	4

Grants received by Department

- Newton Bhabha for MOOCs
- GUJCOST
- Department of Science and Technology
- Gujarat Energy Development Authority
- IEEE Sight

Laboratory Strength

- RT Lab OP4500 for Real Time Simulation, HIL and Rapid Control Prototyping
- Chroma – Solar Array Simulator
- dSPACE ACE 1104
- LUCAS – NULLE Converter Drive

Undergoing Projects

- Evaluation of Current Control Strategy and Direct Power Control Algorithm for Shunt Active Power Filter
- MedGuide – Monitoring the medicine regimens of pregnant women in rural and remote areas
- Kitchen Waste based Bio Gas Plant

PHYSICS
DEPARTMENT

The Students from Department of Physics are groomed to be science professionals, innovators or entrepreneurs contributing towards the scientific growth of the country.

Department is equipped with Research Laboratories with sophisticated instruments. Students are encouraged to publish research papers in scientific conferences all over the world.

Summary of Departmental Activities						
Student Workshops	Educational Tours	Expert talks	Publications	Conferences	Research Projects	Faculty Achievements
11	9	7	5	4	1	8

Laboratory Strength of Department

- P-E loop Tracer
- LCR Meter
- Muffle Furnace (1400. C)
- Spin Coater
- Double distillation plant
- Superconducting Set-up
- Electromagnets (1.2T)
- Astronomical Telescope

Academic/Industrial Visits

- UGC-DAE-CSR, Indore
- IPR, Gandhinagar
- ISRO, Ahmedabad
- Muni Seva Ashram, Baroda

Technical Talks arranged at Department

- Prof. D G Kuberkar – Saurashtra University
- Prof. T K Chaudhari – SVNIT, Surat
- Dr. Sudhindra Rayaprol – BARC, Mumbai
- Dr. Mukesh Ranjan – IPR, Gandhinagar

Department Achievements

- Dr. Jenish Patel earned Post Doc. at Ulster University, UK and Case Western Reserve University, US.
- Dr. Prashant Ghediya earned prestigious The Chennupati and Vidya Jagadish Visiting Fellowship at Australian National University (ANU), Canberra, Australia
- Research project entitled "Role of SHI irradiation in transport properties of manganite based p-n and n-n junctions, IUAC, New Delhi
- Member of Indian Green Building Council (IGBC)

CHEMISTRY
DEPARTMENT

The Department of Chemistry focuses upon a broad foundation in chemistry that stresses scientific reasoning and analytical problem solving with a molecular perspective. It also aims to expose the students to a breadth of experimental techniques using modern instrumentation.

Activities at Department

- SCI Publications – 8[+]
- Participation in Faculty Training Programs – 14
- 1st Annual Scientific Summit on Advances in Biology & Chemistry
- Celebration of Science Day on 28th Feb, 2018. Department celebrated with a theme on "Science and Technology for a sustainable future"

Industrial Visits

- CSMCRI, Bhavnagar
- IISER, NCMR and Agarkar Research University, Pune
- Oxygen Healthcare, Ahmedabad
- Aum Research Laboratories, Ahmedabad
- Envitro Laboratories, Rajkot

Student-Faculty Exchange Programme

- Dr. Vaibhav Mehta – University of Murcia as a visiting researcher
- Student's participation: 5 Students visited IICT, Hyderabad and NCL, Pune.

Department Achievements

- Dr. Hetal Jebaliya awarded as ICC Young Scientist Award
- Dr. Vaibhav Mehta – Outstanding reviewer in Royal Society of Chemistry Journals, Ramanujan Fellow, Marie Curie Fellow, Alexander von Humboldt Fellow, IRO Doctrol Fellow, EPSRC Post-Doctrol Fellow

Laboratory Strength

Investment: 1.50 Crs.
Well equipped research and development lab with Instruments

- Rota Evaporator
- Double beam UV-visible spectrophotometer
- Elanpro freezer
- Digital weighing balance
- pH meter
- Magnetic Stirrers with hot plates
- Potentiometer
- Conductometer
- Hot Air Oven
- Water bath
- Stalagmometer
- Sonicator

MICROBIOLOGY DEPARTMENT

Microbiology Department at Marwadi University strives to develop the abilities of students to apply the knowledge of microbiology and other allied sciences. It also grooms students to function as a part of multidisciplinary team for various academic or industrial interests.

Activities at Department

• Peer reviewed SCIE/SCI Journals – 25+
• Participation in Faculty Training Programs – 11

Industrial Visits

• Indian Institute of Science and Education Research, Pune
• Agharakar Research Institute, Pune
• Junagadh Agricultural University, Junagadh
• Rajkot Dairy, Rajkot
• Ecological tour to Narara Island, Jamnagar
• National Center for Groundnut Research, Junagadh

Industrial Trainings

• IIT, Kanpur
• Metropolis Sanjivani, Rajkot
• Concord Biotech, Dholka
• Adani Spices, Rajkot
• Organized Thalassemia Camp in association with LIFE organization, Rajkot.
• Celebration of Science Day on 28th Feb, 2018. Department celebrated with a theme on "Science and Technology for a sustainable future"
• 1st Annual Scientific Summit on Advances in Biology & Chemistry

Laboratory Development

Investment Size of 1.50Crs+

• Laminar Air Flows
• Thermocycler (PCR) (Bio Rad)
• Gel Documentation Unit (Bio Rad)
• Autoclaves (Equitron)
• UV-Vis Spectrophotometer

• Cooling Centrifuges
• Electrophoresis Units
• Orbital Shake and Incubators
• Microscopes
• -20C and -4C Refrigeration units

MATHEMATICS DEPARTMENT

In this era of emerging technologies & advanced sciences, developed nations are focusing on applied research by using knowledge linkages between scientists, engineers, and researchers. Mathematics & Statistics form the backbone for knowledge development for scientists and engineers. Our focus is to produce scientists equipped with modern mathematics tools with strong understanding towards real world and engineering problems. All faculties of the Mathematics Department (FOS) are either with NET/SLET or with Ph.D.

Activities at Department

Student Workshops	Educational Tours	Expert talks	Publications	Conferences	Research Projects	Faculty Achievements
4	2	4	9	2	2	5

A Workshop titled "MATLAB" was organized by the Department of Mathematics for the students of M.Sc (Mathematics), Mechanical Engineering and Computer Engineering. The aim of workshop was to provide a comprehensive theoretical and hands on practical experience on MATLAB to the students of Marwadi University. It also intended to provide insight into virtual instruments and technical computing, widely used for industry academics and research. The workshop was conducted for two days to introduce students and orient them about the technical software platform.

29 student participants had attended the workshop. The session began with Introduction to MATLAB software by Dr. Sushil Kumar, Assistant Professor from Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat. The workshop was conducted in different sessions where, in each session students were given hands on training in solving problems apart making it interactive and demonstrating with various programs related to Engineering & Science problems.

DIPLOMA STUDIES

The Diploma Engineering Program of Marwadi University is designed with curriculum focused on practical and skill-oriented training. Three year technical degree, that covers the essentials when ranked with an undergraduate degree engineer. The program aims to provide students with industry or job-related knowledge, scientific skills, computing & analysis, mathematical techniques, a sound knowledge of English to communicate in the field and ability to apply problem solving techniques.

Activities at Department

• Peer reviewed SCIE/SCI Journals – 25+
• Participation in Faculty Training Programs – 11

Industrial Visits by Students	FDPs/STTPs Attended by Faculty Members	MOOCs attended by Faculty Members	Workshops / Seminars attended by Students
9	22	4	73

Industry Collaboration

Memorandum of Understanding (MoU) has been signed with various industries to give new dimensions to academic activity, improve quality of education, improved technical knowledge of students and faculty.

• Hi-Tech Transpower Pvt. Ltd., Rajkot
• KHODIYAR CAD Center(I) Pvt. Ltd., Rajkot
• SYNCHRO Electricals, Rajkot

Faculty Achievements

• Prof. Shantilal Babaria, successfully completed NPTEL online certification course "Power System Engineering" during Jan-April 2018

Best Practices

Student Achievement Awards

Students of the Department are motivated and encouraged with Awards, Prizes and Medals once in a semester for his/her good academic and overall performance. Students are categorized on various parameters like attendance in class and lab lectures, achievements in academics and performances in sports & cultural activities.

Mr. Madhav Sangani, student from Diploma Electrical in 2nd Semester, was awarded in academic performance and excellence in academic attendance.

FACULTY OF COMPUTER APPLICATIONS

The Department provides an outstanding environment to students and lends them a thorough and sound background in subjective as well as application-based education. It also offers a well-balanced course that thrusts upon emphasizing on preparing, practicing and performing of complex applications in computers and software.

Strengths of Department

• Membership in professional bodies: CSI, ISCA
• Centre of Excellence by EMC^2 for Cloud and Big Data Analytics
• Spoken Tutorial certification by IIT Bombay
• Unique feature of Practice Oriented Learning
• Mapping educational concepts with real life applications carried out every week

Club Activities & Student Participation

Technical Clubs	Student Participation
Data Base Club	6
Networking Club	13
Logic Building Club	37
Game Development Club	29
Open Source Club	37
Workshops	19

Industrial Visits

• CDAC, Bangalore & Hyderabad
• HAL, Bangalore
• GBBN, Goa
• BISAG, Gandhinagar
• STPI, Pune & Gandhinagar

FINISHING SCHOOL
AN INITIATIVE TO CREATE FUTURE IT PROFESSIONALS

Anticipating the future requirements of software technology, Marwadi University has set-up Finishing School with the funding support from Department of Science and Technology, Gandhinagar, Gujarat.

It is an IT Excellence Centre, consisting of three labs that include; an Advanced Technology Lab with 62 i5 systems, iOS lab with 20 Apple systems and a Machine Vision Research lab enriched with camera and other equipments for the research purpose.

Finishing School was inaugurated on 23rd February 2018 by Rajkot City's Hon. Police Commissioner Mr. Anupam Singh Gehlot, Mr. Vikrambhai Sanghani co-founder ACE Software Exports and Mr. Jeet Marwadi, Director, Marwadi Shares & Finance Ltd.

The ulterior aim of Finishing School services are to cater the entire graduate students of the region who want to pursue industry oriented IT Skills and to grab the placement opportunities or to enhance skills to take a step further in the entrepreneurship.

FACULTY OF BUSINESS MANAGEMENT

Faculty of Business Management at Marwadi University deciphers the need of Business Management and its broad curriculum. It helps student to grab the essential aspects of a business in the areas of domain like marketing, accounting, e-commerce, business writing and communications.

Development & Achievements at Department

No of Industrial Visits Undertaken	No. of FDPs/STTP organized	No. of Expert Talks	No. of Research Project
17	6	54	2

1. Major Project of 45 lakhs submitted to Gujarat Ecology Commission Department of Gujarat.
2. Minor Project of 3 lakhs submitted to Marwadi Education Foundation's Group of Institutions (MEFGI), Rajkot.

Faculty Achievements

No. of FDPs/SSTPs Attended	No. of Workshop Participated	No. of Research Publications	No. of Conferences Attended
96	56	37	48

1. Two Faculty members were bestowed with Best research paper award at International conference.
2. One Faculty member was bestowed with Best research paper award at National conference.

Students Achievements

1. Mr. Ravi Pabari (MBA Sem-II) secured 1st prize in National Elocution competition at Ranchi
2. Mr. Yash Chowmal (BBA-FM Sem-1) secured 1st prize in Elocution competition
3. Ms. Shayona Hirpara (BBA(H) Sem-1) won Gold Medal in National Level Takewondo Competition at Maldha-West Bengal.
4. Mr. Anmolgiri Goswami (BBA (H) Sem-1) secured 4th Rank in National Level Quiz competition organized by Career Launcher
5. Student Ms. Yesha Shah and Mr. Akshay Janani from BBA(Hons) Sem IV secured 1st Rank in Business Plan competition at MU Fest.

Clubs and forums at Department

- HR Club
- Finance Club
- Marketing Club
- Entrepreneurship Club
- Gen-Y- Forum
- Cultural Club

STUDENT PLACEMENT & TRAININGS

The Placement Department at Marwadi University has carved its strong track record in placing students at reputed companies across the Nation. The University is rapidly becoming the first choice of top corporate across all industries for getting the fully-equipped talent pool to oversee the daily operations in the organizations.

The dedicated team focuses upon upbringing of students and also thrusts upon below areas

• Network with prominent industry members
• Make students job-ready even before they get their degree
• Provide placement opportunities to all students
• Organizing in-plant training, visits, executive training and induction programs
• Strategic developmental programs
• Comprehensive training programs
• Entrepreneurship, innovation and managerial skilling programs
• Sessions by engaging and inspiring speakers
• Special focus upon communication skills, personality development, aptitude, computational skills, organizational citizen behavior and domain specific knowledge.
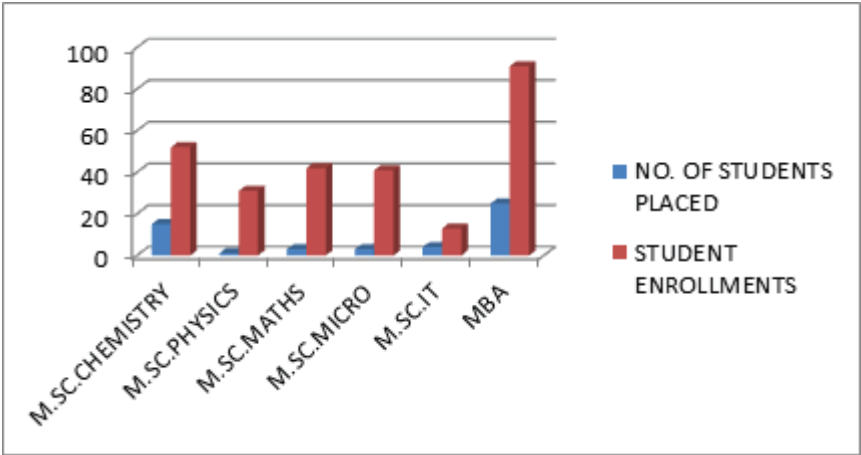
Our Top Recruiters

Placement Performance

Focused and systematic training to students was witnessed with increase in recruitment in core sectors like manufacturing, IT/ITES, Science and Healthcare, Pharma, Banking & Financial services.

BRANCH	NO. OF STUDENTS PLACED
M.SC.CHEMISTRY	37
M.SC.PHYSICS	19
M.SC.MATHS	
M.SC.MICRO	
MCA	36
	36

INCUBATION CENTRE

Marwadi University Centre for Innovation, Incubation and Research (MU-I²R)

MU-I²R is an incubation centre aiming to facilitate the future entrepreneurs to build their super own dream business through financial and infrastructural help. The incubation center provides them facilities, an ambience to develop their ideas, mentoring and networking to reach their goals of successfully forming a startup and thus becoming a milestone for other startups.

Facilities Set-up at Centre

• 10,000 sq. ft space allocated
• Idea Lab – To brain storm, discuss and design idea
• Prototype Lab – To demonstrate incubated idea
• Laser Cutting Machine
• PCB Prototype Machine
• 3D Printer
• MOOC Studio – Creating videos for demonstration

Achievements at MU-I^{2}R

- 8 start-ups under pre-incubation stage
- Education Dept. Government of Gujarat has selected Marwadi University to implement "Student Startup and Innovation Policy" by setting up Pre Incubation, Common infrastructure, startup culture and building startup ecosystem at the campus to support students.
- Grant of Rs. 10Lakh received from Education Dept. Govt. of Gujarat to implement SSIP.
- University has been selected as "Nodal Institute" under Start Innovation Policy by Industries and Mines Department, Govt. of Gujarat.
- An Innovative Foldable and Moveable Mechanical House/Structure; A startup of University "Wild Ness Prefab Pvt. Ltd." has received Grant of Rs. 10 lakhs for product development.
- To promote knowledge based and technology-driven startups, University has initiated to set-up "NewGen Innovation and Entrepreneurship Development Centre" at the campus. The Centre has been approved National Science and Technology Entrepreneurship Development Board (NSTEDB) & Department of Science & Technology (DST), Government of India.

Entrepreneurship Development Cell [E-Cell]

E-Cell objective is to developing an ecosystem dedicated to promote and sustain the entrepreneurial spirit among the youth for the betterment of the society by guiding students to select business as a carrier option and organizing various events throughout year like Entrepreneurs Interaction Sessions, Entrepreneurship Awareness Camp, Expert Lectures, Workshops and Demo days to develop Entrepreneurial Ecosystem.

Achievements at E-Cell

- 21+ events organized to promote innovation, entrepreneurship, and start-ups.
- Filed 6 patents, 1 design patent along with 1 approved copyright.
- Initiated Business Accelerator and Startup Cell in association with The Centre for Entrepreneurship Development, Govt. of Gujarat.

Handholding Support Services to students

- Mentoring support
- Guidance for Entity Creation i.e. proprietorship/partnership/Limited Liability Partnership/Pvt. Limited Company etc.
- Support for Patent, Copy Rights, Trade Mark & Design registration
- Preparing project report
- Guidance of Subsidy/assistance under various schemes of state Government and other agencies/organizations/financial institutions/Banks etc.
- Management consultancy

SKILL DEVELOPMENT

In order to provide readily employable skilled manpower Marwadi University has initiated various certificate courses as per the needs and demands of the Industry.

Achievements at Department

- Initiated Certification program in association with The Centre for Entrepreneurship Development, Govt. of Gujarat in Automation Sector.
- Established Finishing School in the IT and ITeS with the support of Dept. of Science and Technology, GoG with a Grant of Rs. 50lakhs. Certification program for upcoming new technology in IT and ITeS is being delivered to unemployed youth.
- Established MUJCAL Association for Foundry Technology, a non-profit organization for foundry sector skill development activity across Gujarat in association with Jyoti CNC Automation Pvt. Ltd. and supported by The Centre for Entrepreneurship Development, Govt. of Gujarat with financial grant of Rs. 1 Crs.
- The University has been selected as a Nodal Institute of DAIICT to train the second level trainers/supervisors/instructor/faculty members under Anchor Institute Scheme of CED, Govt. of Gujarat.
- Third Party Skill Assessment and Certificate body by The Centre for Entrepreneurship Development, Govt. of Gujarat to assess the technical and non-technical skill of the trainees across Gujarat.

LEARNING & DEVELOPMENT

The Marwadi University offers a unique learning platform – Learning & Development Department for students, faculty members and external entities unlike most other Universities in the country.

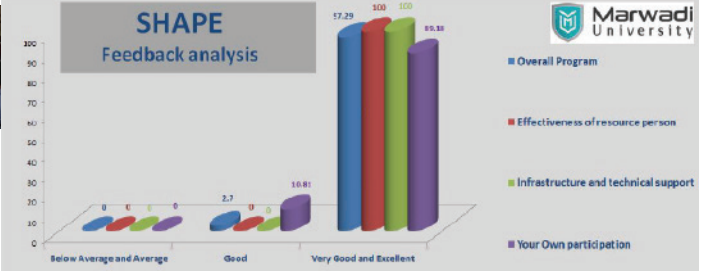External Training Programs : Skills Honing And Personality Enhancement (SHAPE)

A Special training program for the Inspector Cadre officials of India Post.

Delivered by Learning & Development Department of Marwadi University on 14th, 15th and 16th March, 2018 at the University Campus.

The special training workshop SHAPE has been journey of
- o Professionalism,
- o Ownership and work Ethics,
- o Team Leading and Building, Grooming

through experiential learning, interactive sessions and management games.

Faculty Development Programs undertaken by the Teachers at the University

Training Type	L&D Department, MU	Others	Grand Total
External	-	63	63
Internal	56	-	56

Professional / Administrative Development Programs organized for teaching staff / non-teaching staff

Training Type	L&D Department, MU	Others	Grand Total
External	-	2	2
Internal	11	-	11

The Marwadi University offers excellent training programs for teaching fraternity in three specially designed FDP modules.

In House Programs : 5 Days Faculty Development Programs (FDP)

- *FDP 1: Building Competent Facilitation Skills (5 Days)*
- *FDP 2: Pedagogical Skills (5 days)*
- FDP 3: Innovative Teaching Methods (5 days)

FDP Program focuses on A practical hands-on approach that demonstrates the interactive teaching methodology, with the use of innovative teaching aids.

Faculty Development Programme Oraganised
Total 42, 5 days FDP was oraganised in-house by L&D Department

From time to time several special training programs for the Faculty are announced and conducted.

1. Mentoring Skills
2. The Art & Science of Designing a Question Paper
3. Advanced Communication skills
4. Personal Effectiveness
5. Personality Analysis
6. Johari Window
7. The Silent Language – Body Language
8. The Art of Taking & Receiving Feedback

External Programs : Teachers' Training Programs

Sr.	Name of the Program	No. of Prog.	No. of Hours	Participants
01	Nalanda School , Morbi	03	18	37
02	Sister Nivedita, Rajkot	01	06	45
03	Sorath International School, Junagadh	01	06	15

The Marwadi University offers excellent training programs customized for different group of students and are offered to all the programs and semesters.

In-House Programs : Special Interest Groups (SIG)

- SIG 2 in the second semester focuses on Communication Skills and study methods
- SIG 4 in the fourth semester focuses on Teaming and Problem Solving
- SIG 6 in the sixth semester focuses on the Teachability – Assessment, Alignment and Attitude
- SIG 7 in the seventh semester focuses on the Finishing skills and the Grooming

Students' coverage in Special Interest Group Programs

Sr. No.	Branch	No of Students
1	Engineering	740
2	M.Sc. and MBA	151
3	BBA (HONs)	89

In-House Programs : Group Discussion (GD)

- Focused sessions on GD
- Covered all the branches of engineering Sem 6 & Sem 8 students
- All the prominent issues and current affair topics were discussed
- Informative videos on the given topic were played before the start of the GD session and at the end students were given reading material on the said topic.

Sr.	Name of the Program	No. of Students	Branch	No. of Hours	Semester
01	GD Session	379	Engg (all branches)	78	Sem 8
02	GD Session	346	Engg (all branches)	48	Sem 6

In-House Programs : Special Purpose Training (SPT)

- Special Purpose Training Program was designed with sole focus on placements
- A training module comprised of Quantitative Aptitude (10 hrs per class), Verbal Aptitude (4 hrs per class), Resume Building & Review (2 Hrs per class) & Personal Interview (2 Hrs per class) was imparted

Sr.	Name of the Program	No. of Students	Branch	No. of Hours	No of Days	Semester
01	Special Purpose Training (18June – 20June, 2018)	124	MCA & IMCA	54	03	Sem 5 & Sem 9
02	Special Purpose Training (21June – 29Aug, 2018)	872	Engg (all branches)	342	30	Sem 7

In-House Programs : Theater Workshop

- The students were given facilitate conducive environment to express themselves and experience the thrill of stage.
- The students worked in groups and presented different role plays on the stage
- This platform gave them scope to write a role play script and perform on stage.

Sr.	Name of the Program	No. of Prog.	Branch	No. of Days	No. of Participants	Semester
01	Theater Workshop	02	FOL	02	171	MBA Sem 1
02	Theater Workshop	01	FOL	01	104	BBA Sem 1

Mentorship

Mentorship is an important component of any academic institution, Mentorship is a dynamic relationship, in which an individual equipped with experience, knowledge and hindsight helps and guides a lesser experienced individual. In Marwadi University, the mentor-mentee relationship is an informal relation which can go beyond the defined settings of professor-student boundaries. This informal relation is purposeful in bridging the father-figure that the student (the mentee) desperately needs in His/hers personal, professional, behavioural, and emotional endeavours, which family may not be able to fulfil.

Mentoring is already being practiced in Marwadi University, but to improve its effectiveness, we have decided to work for its refinement in terms of implementation in the campus. Every mentor would be assigned a small group of student mentees all of whom would be looked after by the mentor, who in case of need may approach to mentoring coordinator assigned to him/her.

Mentorship Activities at MU			
Sr No	Activity	Objective	Statistics
1	Meeting with Mentors	Support mentors by meeting them on one on one basis and share strategies for effective mentoring	330 Mentors Covered
2	Meeting with Mentees (Students)	Conduct sessions for mentees to promote Mentorship Program	1100 Students Covered
3	Mentoring Week	Arranged "Mentoring Week" at Marwadi University where mentors have met their mentees and provided support for their overall development.	Faculty of Engineering - 3126 Mentees Covered
			Faculty of Science - 895 Mentees Covered
			Faculty of Computer Applications - 556 Mentees Covered
4	Best Mentoring Practices	Recognize mentors by sharing their Best Mentoring Practices across the campus	8 Mentors have been recognized for their Best Mentoring Practices

Motivation & Counselling Activities

Motivation & Counselling activities at Marwadi University aim to support students for their overall well being and development.

Motivational & Counselling Activities		
Sr No	Activity	Objective
1	Helping Hand	To conduct counselling sessions for academically and behaviour wise challenging students, in an empathetic and genuine environment for their overall growth and wellbeing.
2	Motivational Sessions	Helping students to develop positive approach towards their academic's and other routine responsibilities and to help them become better individuals by conducting motivational sessions
3	SARATHI	To promote Motivational & Counselling activities across the campus and support students for their wellbeing by using SARATHI website

DEPARTMENT OF
COMMUNICATION SKILLS

Corner Workshops

In order to provide need-based training to the students in the area of English Language, Department of Communication Skills has conceptualize one such initiative in the form of Corner Workshops. Based on the students need workshops are organized on topics such as the following:

1. Effective Presentation Skills
2. Effective Pronunciation
3. Vocabulary Building
4. How to Prepare Effective PPT
5. Learning English through Movies
6. How to write Applications?
7. How to write Letters?
8. How to writean Email?
9. Writing Thematic Essays and Articles
10. Common Errors
11. Learning English through Google Alerts
12. Learning English through Blogging

Summary of Corner Workshops

No. of Topics Covered	No. of Workshops	No. of students
60	114	1362

Shakespeare Festival

The UN and other renowned organizations across the world celebrate "English Day" on Shakespeare's birthday i.e. April 23. Celebrating Shakespeare Festival on our campus in the month of April makes English Day even more fruitful. Thus to celebrate Bard's birthday, this time we organized Shakespeare Festival from April 09 to 11, 2018. As a part of this celebration, various events were organized such as the following:

1. Management Lessons from Shakespeare, a guest lecture by Dr. Sanjay Mukherjee
2. Quotable Quotes
3. Poetry Recitation
4. Meet the Poet
5. Re-Telling Shakespeare
6. Soliloquy Recitation Competition
7. Speed Reading, Quiz & Crossword Competition
8. Movie Screening
9. A Crossword Competition on William Shakespeare

The students from various departments participated and enjoyed the festival for three continuous days.

Summary of Shakespeare Festival Events

No. of Events	No. of students
18	729

English Day

Since it is a part of the vision of Marwadi University to "prepare students for global careers", it is expected that they should be conversant with English which is the medium of 'global' communication. In sync with this objective, Hon. President has inspired us to observe one day in every month as English Day comprising activities and daily transactions conducted only in English. As the concept itself underscores the need to involve all the stakeholders, it is deemed fit that all the departments take keen interest in observing English Day. Various events that were conducted include the following:

1. Spell Bee Competition
2. Story Telling Competition
3. Learning English through Games
4. Movie Screening
5. Movie Review Presentation
6. Mono Acting Competition
7. Role Play
8. Poetry Recitation

These events help students inculcate the habit of speaking in English. Students participate in these events zealously to hone their English language skills.

Summary of English Day Events

Since it is a part of the vision of Marwadi University to "prepare students for global careers", it is expected that they should be conversant with English which is the medium of 'global' communication. In sync with this objective, Hon. President has inspired us to observe one day in every month as English Day comprising activities and daily transactions conducted only in English. As the concept itself underscores the need to involve all the stakeholders, it is deemed fit that all the departments take keen interest in observing English Day. Various events that were conducted include the following:

English Day Celebrated	Events	Students Participated
09	108	3123

AFFILIATIONS, ASSOCIATIONS & RECOGNITIONS

The University is recognized and approved by major statutory bodies related to education in India. This recognitions reflects the assurance of quality education imparted in the Institute, ensures the highest possible academic standards, programs have been through an intensive and careful evaluation process by the examining committee and by competent subject matter specialists.

UGC AICTE Bar Council of India Pharmacy Council of India

The University is also associated with major educational societies and government bodies.

IEEE IET IUCEE

ISTE CSI ASCE

IUCEE Implementations

IUCEE International Engineering Educators Certification Program (IIECP) is a flagship program of IUCEE that addresses methodology to bring innovation in engineering education, and we are proudly taking part in this program. Our vision is to certify all engineering educators through this program. Following are the details on our participation;

Course	No. of Educators who have completed respective phase	No. of Educators who are undergoing in respective phase	No. of Educators who are in the pipeline to undergo with respective phase
IUCEE Phase – 1	90	-	60
IUCEE Phase – 2	30	30	30
IUCEE Phase – 3	18	-	30

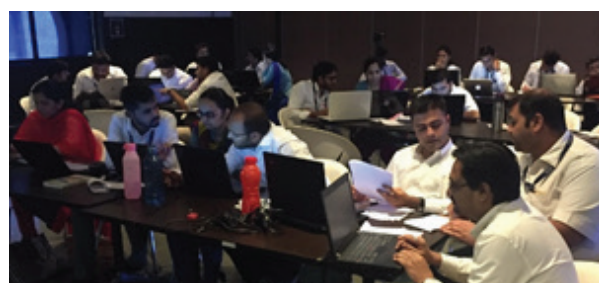Highlights of IUCEE Phase – 1 and Phase – 3 programs at Marwadi University

IUCEE Phase – III by Dr. Krishna Vedula
at Marwadi University

IUCEE Phase – I by Dr. Sivakumar Krishnan
at Marwadi University

IUCEE Phase – I Dr. Archana Mantri
at Marwadi University

IUCEE Phase – I
at Marwadi University

Online Courses from IUCEE

IUCEE offers online courses for educators on various domains. The Faculty members at University are actively taking participation in online courses offered by IUCEE.

Course	No. of Faculty Members Participated
Outcome-Based Education	4
Design Thinking	18
Project Management	4
Engineering Education Research	4

Dr. R.B. Jadeja receiving course certification
from Dr.Vijay Kanabar
for IUCEE Project Management

Innovation in Teaching/Learning Practices through IUCEE

Marwadi University has begun a transformation in engineering education through IUCEE in various ways in Teaching/Learning practices like

- Instead of traditional semester-end exams in subjects of Marwadi University, we are evaluating students through a continuous internal evaluation with a set of activities.
- Instead of typical mid-semester exams, we are evaluating students based on continuous assessment strategies. All such courses are configured in canvas lms and students have been assessed through a set of activities using planned rubrics.

- Our servers have canvas lms (canvas.marwadiuniversity.ac.in) installed as a local instance and faculties are using canvas lms in respective courses. Following is a summary of its usage:

Courses: 46
Teachers: 80
Students: 3,165
Users: 3,245
File Storage (Uploaded): 28.4 GB from 18,883 files

- Faculty members are following active learning strategies in classrooms.
- Few courses, are recorded in the classroom through Impartus to provide its access to students as per choice.
- Educators of Marwadi University are motivating students to undergo with MOOCs, and as a result, 475+ students have completed MOOCs in various domains.

Summary on acceptance of students for MOOCs

Activity	No of Students Benefitted	Course
Gyanification	80	Computer Graphics
MOOC blending	60	Cybersecurity
MOOC blending	60	Cybersecurity
MOOC Blending	50	Data Mining and Business Intelligence
MOOC Blending	30	Data Mining and Business Intelligence
MOOC Blending	40	Analysis and Design of Algorithm
MOOC Blending	40	Computer Programming And Utilization
ACM Presentation	13	-
Oracle Academy	80	Database management system
Cyberoam Certification	25	Information and Network Security

IUCEE Leadership Summit 2017

The University actively participated in the annual IUCEE leadership summit 2017 held in Goa on 21st and 22ndJuly 2017. It also implemented best practices shared by other partner institutes in summit that over a period of time has helped us to make our efforts for our institute more strong and effective.

Dr. Y. P. Kosta sharing best practices at Marwadi University with Dr. Krishna Vedula in IUCEE Leadership Summit 2017 at Goa

Participation of Marwadi University in IUCEE Leadership Summit 2017 at Goa

IUCEE EPICS

Recently, Marwadi University have enrolled in the program -Engineering Projects in Community Service (EPICS), through IUCEE to involve our students and staff to understand needs of society and provide effective solution through engineering projects. We are in a process to implement EPICS in our university and have long-term planning to introduce EPICS in the engineering curriculum.

IUCEE Virtual Academy

Faculty members have largely benefited from IUCEE virtual academy. Dr. Amit Lathigara, Head of the Department, Computer Engineering & Information Technology has delivered a webinar on Activity Based Programming (https://youtu.be/LjIFprqiOjY) through IUCEE Virtual Academy.

LINKAGES
NATIONAL & INTERNATIONAL

The University recognizes the value and benefit of establishing international linkages in creating innovative international programs, developing research collaborations, enhancing mobility and capacity building. International collaboration with overseas University also helps students and its faculty members to better understand the culture of other nation.

1. University of Pitesti, Romania
2. Wroclaw University of Science and Technology, Poland
3. University of North Carolina Greensbro, USA
4. Lodz University of Technology, Poland
5. Harare Institute of Technology, Zimbabwe
6. UTP University of Science & Technology in Bydgoszcz, Poland
7. Illinois Institute of Technology Chicago, USA
8. Youngtown State University, USA
9. Jana Wyzykowski University, Poland
10. Technical University of Kaiserslautern, Germany
11. Siauliu University, Lithuania
12. University of Applied Sciences Aschaffenburg, Germany
13. University of Applied Sciences Merseburg, Germany

FACULTY EXCHANGES
AND FOREIGN UNIVERSITY VISITS

1. Dr. R B Jadeja, Dean Faculty of Engineering along with Prof. Amit Ved, HoD Electrial Engineering at Marwadi Unversity, visited University of Pitesti, Romania for one week during the Year 2018 under Erasmus+ Teaching Staff mobility program. The objective was to further explore areas of academic cooperation.

2. In 2017 Prof. Dr. Amarpreet Singh Arora visited Wroclaw University of Science & Technology to present research paper in 'Advances in Energy Systems and Environment Engineering'. The objective was to explore areas of academic cooperation with WUST and other participating world Universities.

3. In 2018 on invitations from UTP University of Science & Technology in Bydgoszcz, Poland, Wroclaw University of Technology, Poland, Lodz University of Technology, Poland, University of Applied Sciences Aschaffenburg, Germany, University of Applied Sciences Merseburg, Germany – Dr. Y P Kosta, Provost-Marwadi University, Mr. Naresh Jadeja, Registrar and Dr. R B Jadeja, Dean-Faculty of Engineering visited these Universities to discuss areas of academic cooperation. MoU's were signed with WUST and TUL.

4. In 2018 on invitation from Hungarian Rectors' Conference (HRC), Hungary - Hon. Provost Prof. Dr. Y.P. Kosta and Hon. Registrar Mr. Naresh Jadeja visited HRC to establish relations between Marwadi University and Hungary based Universities. Marwadi University in September 2018 will participate in HRC's Four days' Conference in Budapest with presence of 100+ Universities from across 25 countries.

Summary on Marwadi University Students – IEPs, Summer Schools at Technical University of Kaiserslautern, Germany

Engineering Branches	2017	2018
Civil	-	2
Mechanical	-	1
IT	1	5
Computer	7	1
Total	8	9
Grand Total		17

Incoming and Outgoing Staff visits at Technical University of Kaiserslautern, Germany and University of Pitesti, Romania, Harare Institute of Technology and Illinois Institute of Technology Chicago, USA.

Branches	2017		2018	
	Outgoing	Incoming	Outgoing	Incoming
Civil	Prof. Monicaba Vala	-	-	-
Mechanical	-	Prof. Dr. Mike Gosz & Prof. Dr. Quinton Kanhukamwe	Dr. Nikunj Rachchh & Dr. Amit Sata	-
Electrical	-	-	Dr. R B Jadeja & Prof. Amit Ved	Prof. Dr. Mihai Oproescu
Chemical	Dr. Amarpreet Arora	-	Mr. Naresh Jadeja	
Information & Communication	-	-	Dr. Y P Kosta	Prof. Dr. Vasile-Gabriel Iana
Information Technology	-	Prof. Dr. Tendai Padenga		
Business & Management	-	Dr. John F. O. Bilson	-	-
Total	2	4	6	2

International University Associations

Prof. (Dr.) Mihai OPROESCU and Prof. (Dr.) Vasile-Gabriel IANA from University of Pitesti, Romania visited Marwadi University during April 2018 as part of European Commission's prestigious ERASMUS+ Staff Exchange Mobility program worth €14.7 billion.

During their stay, Prof. (Dr.) Mihai OPROESCU and Prof. (Dr.) Vasile-Gabriel IANA engaged in expert lectures with MU students and staff, they also gave expert lectures as part of career guidance seminars held by MU in Rajkot.

Prof. (Dr.) Mihai OPROESCU is a Professor & Expert of Electrical Engineering in addition, he is also the Dean of Faculty of Electronics, Communications & Computers, while Prof. (Dr.) Vasile-Gabriel IANA is an expert in Electronics & Telecommunications' Studies at the Faculty of Electronics, Communications and Computers.

University-Industry Linkages

No.	Description	Logo
1.	**IBM** Strategic understanding between IBM and MEFGI to work together to offer the University Program. The primary aim of this partnership is to aid MEFGI in establishing a high quality people repository in software technologies. This will help MEFGI teach and train their students on strategic technologies and to position them to support India's Information Technology initiative.	
2.	**CISCO** CISCO Networking Academy to train the students to learn the concepts of Computer Network and prepare them for the International Certification.	
3.	**Bosch Rexroth India Ltd.** For establishing "Centre of Competence in Automation Technologies" in the campus of Marwadi Education Foundation's Group of Institutions – Faculty of P.G. Studies & Research in Engineering & Technology, Rajkot.	
4.	**Jyoti CNC Automation Pvt. Ltd**. For establishing "Research Park for Advanced Automation Technologies"	
5.	**Oracle** To enable educational institution to deliver Oracle training to students in their campus and extend opportunities to impart Oracle certified training at an affordable cost.	
6.	**Amazon web services** AWS Academy is a global program that provides educational institutions with access to AWS-developed and authorized curricula which can easily offer cloud computing courses to students. This helps students to become proficient and certified on the use of Amazon Web Services technology.	
7.	**WIPRO** Wipro Mission 10X chose to enhance the graduate engineering attributes. This association brings deeper learning, communication skills and teamwork in students.	
8.	**NASSCOM** NASSCOM is the industry association for the IT-BPM sector in India. Marwadi University is associated with NASSCOM to train students on basic foundation skills to enhance employability and also to make students industry ready.	

9.	**CYBEROAM** The student of the Institute enjoys free and exclusive access to Cyberoam's knowledge base, designed for Cyberoam Certified Professionals.	
10.	**VERSION SYSTEMS PVT. LTD** Recognizing the importance of Skill Development, Entrepreneurship, Startup and Research & Development in the areas of IT solution, Marketing, HR, Asp.net, Android etc. as well as imparting industrial training to the students.	
11.	**Verve Systems Pvt. Ltd** Recognizing the importance Marwadi University has entered into association for Skill Development, Entrepreneurship, Startup and Research and Development in the areas of IT and ITeS as well as imparting industrial training to the students.	
12.	**Helios Solution Pvt. Ltd** The association has strengthened relationship which has vitalized to the success of outsourcing partnership as per development skills.	
13.	**Viridian Espark Venture Accelerator** In order to promote entrepreneurship among the student, Viridian Espark Venture Accelerator shall run patented programs at Marwadi University and support student driven startups to become a sustainable enterprise.	
14.	**Nkonnect Infoway Pvt. Ltd** The association strengthens, promotes and develops cooperation in the field of Skill Development/Entrepreneurship/Startup/Industrial Training in the Additive Manufacturing Sector.	
15.	**Impetus Prolific Private Ltd** The association strengthens, promotes and develops cooperation in the field of Skill Development / Entrepreneurship / Startup / Industrial Training in the Electrical and Mechanical Sector.	

16.	**NSE Academy** The tie-up shall develop skill-set within students in the Stock Market which in turn shall provide industry ready manpower.	
17.	**Radhe Renewable Energy Dev. Pvt. Ltd.** Recognizing the importance of Skill Development, Entrepreneurship, Start up and Research & Development in the areas Manufacturing of non-conventional & renewable energy equipment, as well as imparting industrial training to the students, etc.	
18.	**Steelo Architectural Hardware** The tie-up strengthens, promotes and develops cooperation in the field of Skill Development/Entrepreneurship/Startup/ Industrial Training in the manufacturing of Architectural Hardware.	
19.	**Reliance Jio** To offer skilling programs in telecom and retail sectors	

RESEARCH
& CONSULTANCY

The University has established Research & Development Committee to promote research and consultancy activity in the campus. Guest lectures are conducted frequently by eminent academicians and industrialists to create awareness and interest among the students and faculty members for research and also provide information about various funding agencies and procedure to apply for projects.

Research & Development Committee Members of Marwadi University

Name	Provost
Dr. Y P Kosta	Chairperson
Dr. R B Jadeja	Member
Mr. Naresh Jadeja	Member
Dr. Nitul Dutta	Member
Dr. Sarang Pande	Member
Prof. Tarannum Bloch	Member
Dr. Shobhitkumar Patel	Member
Dr. Rajendrakumar Patel	Member
Dr. Rajesh Patel	Member
Dr. Tarak Vora	Member
Dr. Chiragbhai Patel	Member
Dr. Pankaj Pathak	Member
Prof. Ashish Gulabani	Member
Dr. Divyakant Meva	Member
Prof. Tapankumar Trivedi	Member Secretary

The University encourages its faculty members to carry out research in the research group and thus increase the number of research publications by inter/multi disciplinary & intra disciplinary research work. It also creates zeal among the students and faculty members for procuring latest equipment, updated library facility and subscribed research journals.

The University has developed following laboratories to encourage and ignite research activities.

Sr. No.	Name of the Department	Laboratory Developed
1	Mechanical Engineering	Bosch
		Advance Manufacturing Lab
2	Computer Engineering	CISCO
		IBM
3	Information Technology	Cyberoam
4	Electrical Engineering	Research Hardware Lab
5	Information & Communications Engineering	Wipro UTLP Lab
		Texas Instrument Sponsored Embedded System Lab
		Cypress Semiconductor Sponsored PSoC Lab
6	Civil Engineering	Concrete Technology
		Geo Tech Lab
7	Master in Computer Applications	IBM Rational Seed Lab
		EMC^2 Big Data
		Cloud Computing Lab

Faculty member's undertaken/ongoing research projects

Funding Agency	Project Amount (Rs.)
Department of Science & Technology, Delhi	3,621,400
Ministry of Human Resource Development, Government of India	1,000,000
GEDA-Gujarat Energy Development Agency	700,000
GUJCOST	230,000
ISRO-SAC Ahemadabad	204,000
IEEE Gujarat Section	129,640
Royal Academic UK	100,000
Grand Total	**5,985,040**

CONSULTANCY

Marwadi University has established consultancy cell and encourages the faculty members to take up consultancy works to extend services catering to the needs of the society as well as industries/companies. Civil Engineering Department, the constituent institute of Faculty of Technology is actively engaged in offering consultancy services like testing of building materials, advising on design structures and so on. The Institute has approached few industries and renowned companies for entering into MoU's for establishing Institute Industry interface. Faculty members have generated fund of Rs. 2.55 Crs. through research grant for Industry consulting.

Notable companies

Sr. No.	Name of Department	Company Name
1	Civil Engineering	Gujarat Pollution Control Board
		Tata Chemicals Ltd.
		Electrotherm (India) Ltd
		Kandla Port Trust
		Ultratech Cement Ltd
		Balaji Wafers Pvt. Ltd
		Rajkot Municipal Corporation
		ABG Cement Ltd.
		GHCL Ltd.
		Saurashtra Cements Ltd.
		Dipen Organics Pvt. Ltd
		Hans Limited
		Cherry Green Environment
		Anushakti Chemicals & Drugs Ltd.
		Archean Chemical Industries
		Ramky Infrastructure Limited
		Sneth Builders
		R.B Construction
		Kutch Chemical Ind. Ltd.
		Vraj Infrastructure
		Nilkanth Cement Products
		Optimus Environment Consultancy
2	Electronics and Communications Engineering	Wipro UTLP Lab
		Texas Instrument Sponsored Embedded system lab
		Cypress semiconductor sponsored PSoC lab
3	Faculty of Computer Applications	IBM
		EMC^2
4	Mechanical Engineering	Bosch
5	Computer Engineering	CISCO
6	Information Technology	Cyberoam

NATIONAL NATION BUILDING INITIATIVES

NSS Activities

The University encourages and promotes students to take part in National Service Scheme (NSS) activities, with an aim to inculcate social welfare in students, and to provide service to society without bias. NSS volunteers work to ensure that everyone who is needy gets help to enhance their standard of living and lead a life of dignity.

Bringing smiles on faces of needy by undertaking "Clothes Donation" camp on 24th & 25th August, 2017 at the villages of Saurashtra region.
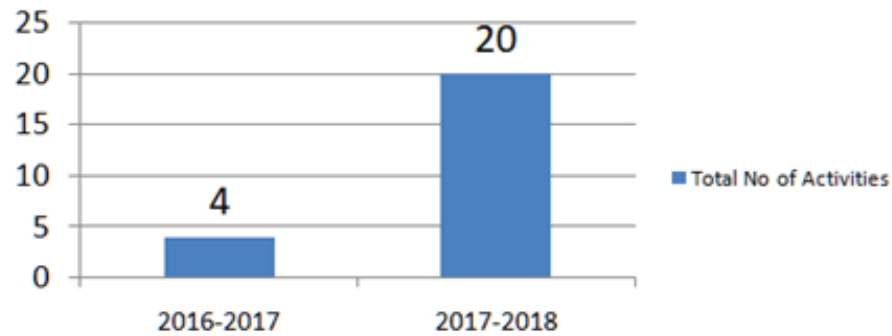

Tree plantation drive undertaken by NSS Unit of Marwadi University as a part of Diwali Celebrations. The drive was conducted at Ratanpar old age home campus.
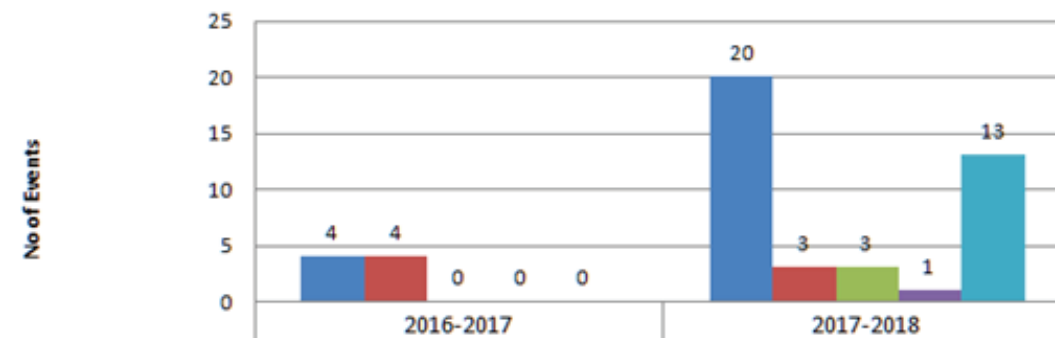
Year	No. of Activities	Blood Donation / Thelesemia Camp	Donation (Grocery things)	School Visit and awareness program	Campaining /Seminar/ other event
2016-2017	4	4	0	0	0
2017-2018	20	3	3	1	13

No of Activities NSS YEAR WISE

- Total No of Activities

| | 2016-2017 | 2017-2018 |
| | 4 | 20 |

NSS Summary

No of Events

	2016-2017	2017-2018
Total No of Activities	4	20
Blood Donation/ Thelesemia Camp	4	3
Donation (Grocery things)	0	3
School Visit and awareness program	0	1
Campaining/Seminar/other event	0	13

AN INITIATIVE TO ADDRESS THE SOCIETAL CONCERN

Students at Faculty of Architecture crafted their learning's in the classrooms and took-up the initiative to refurbish Shri. Lakhajiraj vegetable market at Rajkot. The building structure which was built in 1914, a century old structure was spruced with paints and colours. Students took it up as an opportunity to show case their skills and talents with a concern to address the societal problems.

UNNAT BHARAT ABHIYAN

The University has selected 6 villages of Rajkot District of Gujarat

Sr. No.	Name of Villages	Block	District
1	Bedi	Rajkot	Rajkot
2	Ratanpar	Rajkot	Rajkot
3	Moviya	Gondal	Rajkot
4	Gauridad	Rajkot	Rajkot
5	Ishwariya	Rajkot	Rajkot
6	Gundala	Gondal	Rajkot

INSTITUTIONAL
SUPPORT

The Higher & Technical Education Department of Govt. of Gujarat supports and encourages the Institute to undertake student start-ups, innovations and pre-incubation ecosystem support for its students. Marwadi University received a Grant of Rs. 10 lakhs to facilitate and pre-incubate innovative ideas to go through a stage of proof of concept, prototype, product, testing & trial, redesign and development of utility.

Dr. Y P Kosta, Provost - Marwadi University
receiving the Grant from Chief Minister, Gujarat

Branch	Central	State	Overseases	Grand Total
E-Cell	28,729,300	10,540,000	-	39,269,300
Mechanical	3,621,400	11,000,000	-	14,621,400
Computer	5,000,000	-	-	5,000,000
BCA	-	4,500,000	-	4,500,000
Electrical	-	1,059,640	100,000	1,159,640
MU	1,000,000	-	-	1,000,000
Information & Communications	408,000	-	-	408,000
Grand Total	38,758,700	27,099,640	100,000	65,958,340

INFRASTRUCTURE &
LEARNING
RESOURCES

The campus facilities are established to match Global standards of Education with a vision to impart education to students at its best standard.

Handholding Support Services to students

- Infrastructure facilities with an investment size of 220 Crs.
- Campus Habitat & Environment; A world Class State-of-the Art Landscaped 32 acres of land.
- Recreational & Health; 4 Acres Sport Complex, Lake-side Track for Walking & Jogging; 1000 Capacity Auditorium, Health Club with Twin-food Court & Pristine Landscaping at Campus
- Hostel facilities with well furnished rooms for strength of more than 2000 students with coverage of 24x7
- security.
- In campus medical facility, music room, separate gymnasium for girls and boys along with common rooms equipped with TV and cable facility.
- Fleet of 68 buses & 14 cars for commutation of students & faculty members within city and surrounding areas of region.
- Banking and ATM facility set-up within the campus
- Theatre Type, Interactive, ICT enable World Class Infrastructure
- Sophisticated and Precision Equipments from leading Multinational Companies
- Sophisticated High end Simulations Software. (Virtual practical capabilities)
- Specialized Equipment & Software for advanced level Skilling & Training for Research
- Independent Research & Innovation Centre
- Technology Clubs and Incubation Cell to unleash Students Ideas
- Technical Chapters and knowledge Academies

IT Infrastructure

IT Infrastructure Department plays a vital role and is at the core infrastructure of Marwadi University. The Department comprises of fully equipped and experienced team of 23 staff members along with Sr. Manager steering the Team.

- State of the art in-house Data Centre comprises 2 Blade Server Chassis, 8 Blade Servers, 2 Rack Server, 23 Tower Servers and EMC Storage.
- Sonicwall, SuperMassive 9200 Firewall with High Availability setup, 2 Core Cisco L3 Switches and HP Aruba Wireless Network Controller etc.
- Campus is networked on Fibre Ring with full redundancy along with network comprising 200+ Cisco L2 switches at Distribution & Access Layer. It is also networked on WiFi based on HP Aruba & comprising 300+ Access Points across the Campus.
- Campus is covered with Internet Bandwidth of 300 Mbps, 1:1 contention ratio & it is scalable upto 800 Mbps on demand.
- All Web Servers are hosted in-house & fully monitored with in-house experienced staff members.
- 3500+ computer systems of various configurations including Intel Xeon/i7/i5/i3 with state of the art Computer Labs has been set-up for Departments of University.
- Equipped and dedicated Labs for Cisco / Oracle Academy has been set-up.
- Internal voice communication within the campus is based on IP network using VoIP with installed capacity of 300+ Units.
- Advanced in-house call centre has been set-up with 10 Executives handling in-bound calls & queries from students and parents.
- Classrooms are connected on WiFi and LCD Projector for effective delivery of lectures using latest teaching-learning techniques. Online video lecture for live/differed delivery of class room lectures has also been set-up.
- 1000+ CCTV Cameras with dedicated central security room to monitor all round campus activity.
- Ultra modern Auditorium, Seminar Hall & Amphitheatre for delivering conference, workshop, and seminars has been set-up.
- University has also developed modern and new age Board Rooms for holding executive and board level meetings. The amenities are developed with latest Laser projectors for ultimate delivery of Multimedia presentation along with state-of-the-art Audio-Visual system.

Library & Learning Resources

The Central Library of Marwadi University plays a vital role both in the provision of information for studies & research and also in the preservation of knowledge resources. The library holds a range of books and journals as well as providing access to electronic journals and databases, CDs-DVDs, online video lectures and much more to cherish during learning process.

Department Achievements

- Library uses Open Source LMS KOHA with Integration of ERP systems.
- Fully equipped with RFID (Radio Frequency Identification Device) Technology
- Self KIOSK for Self Check in & Check out
- Specially devised and designed Mobile Application having features of Intimation, Alerts, History, Account Status and Books search facilities
- Online Public Access Catalogue – OPAC
- SMS and email Pre and Post alerts for Books Circulation.
- E-Resource Lab having 50 computer systems with Internet facility to access online resources.
- All e-resources subscribed for Campus access and supported with Remote Access facility.
- Kindle devices containing 500,000+ books available for Circulation.
- Data transfer, Scanning and Printing facility available.
- NPTEL videos available in CDs and on local server for access.
- Newspaper Press clippings available.
- National Digital Library (NDL) facility available.
- Competitive exams Books and Regional Books collection available.
- Additional Transportation facility for special Late Evening & Sunday for Library users

Library Holdings

Details of E-Journal and database Collections

Library provides e-journals and databases of leading publishers to its students and faculty members. Some important publications are as under:
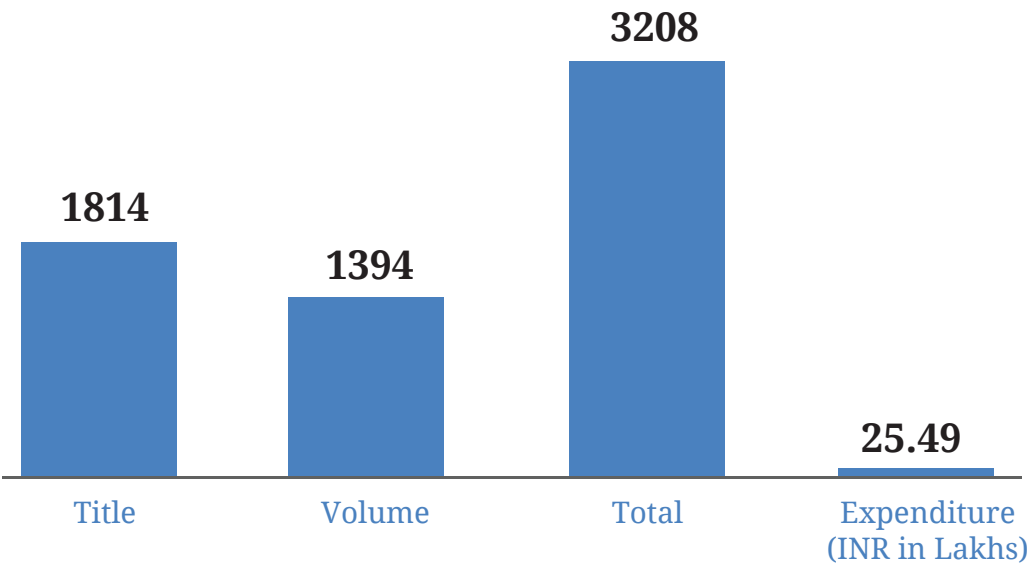
- IEEE – ASPP (IEL Online)
- ASCE (Civil Engg. Journals)
- ASME (Mechanical Engg. Journals)
- Elsevier Science Direct Journals (Engg. & Computer Sc.)
- EBSCO Business Source Complete (Management and its allied subjects serials)
- ASE-KP Financial Database for Management
- Manupatra (Law Database)
- IET Digital Library (ebooks collection)
- World eBooks Library
- South Asia Archive
- RemoteXs (For Ph.D. scholars and Researchers for Outside Campus Access)

Library ICT- Infrastructure

- Library is using Open Source Library Management Software KOHA integration with ERP systems
- Fully equipped with RFID (Radio Frequency Identification Device) Technology
- Specially devised and designed Self KIOSK for Self-Check in & Check-out
- Specially devised and designed Mobile Application having features of; Intimation, Alerts, History, Account Status and Books search facilities.
- Library is equipped with 60+ dedicated computer systems for Its Users

Books Added it the year 2017-18

Title	Volume	Total	Expenditure (INR in Lakhs)
1814	1394	3208	25.49

3208

1814

1394

25.49

| Title | Volume | Total | Expenditure (INR in Lakhs) |

■ **YEAR 2017-2018**

PART 3

- Institute's Technical and Cultural Events
- Financial Statement of the Year

INSTITUTE'S TECHNICAL EVENTS

Rajkot Smart City – Hackathon 2017

The Institute supports and partner's with the initiatives launched by Government of India for creating Smart Cities under the Smart City Mission, with an objective to promote sustainable-inclusive cities & smart solutions that provide core infrastructure enhancing the quality of life of its citizen, a clean sustainable environment and mechanisms for application of smart solutions.

Marwadi University was Mentor University in collaboration with Government of India executed through Rajkot Municipal Corporation under the Rajkot Smart City project–Hackathon 2017. The event attracted Collaborations and involvement of 24+ Departments along with 285 Teams generating 101 problems and designing solutions. High impact Ideas was generated to encounter the 101 problems.

The volunteers of Marwadi University for Rajkot Smart City – Hackathon 2017 were felicitated by Padma Shri Awardee and renowned Indian film actor Mr. Paresh Rawal.

Google – Mobile Developer Fest at Marwadi University

The Institute hosted Gujarat's First and India's third Mobile Developer Fest organized by Google Developer's on 18th January, 2018. The event was designed for computer science and engineering students, offering them an opportunity to attend tech sessions across multiple product areas like Machine Learning, Firebase, Android and Progressive Web Apps. Students were also encouraged to participate in hands-on code labs session, and learn directly from Google certified developers. The event also provided an opportunity for students to become part of Google Developer Student Clubs and University Innovation Fellows.

Workshop on AI and DEEP LEARNING

The first ever workshop on 'Artificial Intelligence and Deep Learning' as a part of LeadingIndia.ai initiative was organized by Marwadi University, Rajkot (Gujarat). The workshop was held on 1st June to 3rd June 2018.

University has been appointed as the Institutional Collaborator Partner for the nationwide initiative on "AI and Deep Learning, Skilling and Research." As a part of this initiative, Marwadi University will be among approximately 10 collaborator institutions, 1,000 basic partner institutions, 10,000 teachers and 10,00,000 students.

The Royal Academy of Engineering, UK has approved a nationwide initiative on 'AI and Deep Learning, Skilling and Research' under the Newton Bhabha Fund. This initiative aims at changing the landscape of AI research in India. It has the potential of having tangible impacts on the entire engineering community and general public. University College, London, Brunel University, London, and Bennett University, India are collaborators of the project while NVIDIA, AWS Educate, VideoKen and Edvantics are the industry partners in this initiative.

The European Research Day 2017 – EURAXESS

An event was jointly organized by EURAXESS India and the Delegation of the European Union to India in association with Marwadi University and IIT Gandhinagar at Hyatt Ahmedabad on 15th Sept, 2017. Master students, Doctoral candidates, Post-doctoral researchers, established researchers of all disciplines and all nationalities, undergraduate students, representatives of university research offices and International Relations offices were also welcomed to the event.

The core objectives of the event was to learn and meet representatives of leading European research and funding agencies, navigate through the European Commission and other researcher mobility programs and also research collaboration opportunities available. It was also aimed to make available to talk to fellow researchers who have already benefited from the program and share their experiences and advice.

VLABS Boot Camp – 05th to 09th Feb, 2018

First National Level Boot Camp for Virtual Lab Development was hosted at Marwadi University in coordination with IIT Bombay & Co-Sponsored by GUJCOST. More than 100 participants including students, faculty and budding independent programmers; from off the campus and on the campus. The sessions included technical rounds with the begining of welcome address by Dr. Y P Kosta, Provost Marwadi University where in his address spoke about the manner in which technology was creating wonders of its own and how more individuals needed to keep growing to bigger heights of research in technology.

Advances in Biology & Chemistry – Conference 2018

The 1st Annual summit on Advance Biology and Chemistry (ABC-2018) was successfully held from 1st to 3rd, February, 2018 at Marwadi University, Rajkot. The conference was jointly organized by Department of Microbiology and Department of Chemistry, Faculty of Science (FoS). 335 participants attended the conference along with participants from 107 universities across the country.

More than 11 eminent speakers from several reputed institutes of India viz. National Chemical laboratory (NCL) Pune, Indian Institute of Science (IISc) Bangalore, Central Drug research Institute (CDRI) Lucknow, The Energy Research Institute (TERI), IIT-Bombay, IIT-Kanpur and Agharkar Research Institute (ARI), Pune visited and delivered talks in scientific sessions organized over a 3 day event.

The Conference provided the students with a meaningful platform to update themselves on the latest developments in the field of research as well as, to share their findings, results and ideas with audiences beyond their classroom or research institutes. It also provided students opportunity for social interaction and networking with renowned scientist, initiate new collaborations, exchange ideas and provide an important foundation for future individuals, academicians, young scientist, industrialist, entrepreneurs and community.

Initiatives like collaborations, summer training and research activities by the faculty members of Faculty of Science were initiated.

A National Level Quiz Competition was organized by INQUIZITIVE Minds in Bangalore. Students from Marwadi University marked 5th Rank in the competition.

A National Level Hackathon for women was organized by Chitkara University and Oracle Academy on 02nd & 03rd October, 2017 at Chitkara University. The students of Marwadi University secured their entry in the top 10 Teams out of 200+ Teams across the Nation and ideas were presented. Marwadi University stood at 7th position at the finale for presenting paper and preparing the module of "Student Record Handling, Appreciation and Motivation".

Secured 7th position in Design Human Powered Vehicle challenge for ASME E-FEST, ASIA PACIFIC-2017 organized at LNMIIT University, Jaipur – Rajasthan.
HPVC Team with vehicle (AARON).

Students of Mechanical Engineering Secured a place in top 15 teams out of 112 teams for ROBOCON INDIA 2017 held at Balewadi stadium, Pune

Mr. Deep Gohil, student from Mechanical Engineering Department got selected for MA1 India Team Camp and played Minifootball World Cup – 2017, representing India. The event was held at TUNISIA, Africa from 6th October 2017 to 15th October 2017.

Project Fair – 2018

The dedicated efforts and vision of the Management of the Institute to impart quality education to its students, a Project Fair was organized on 22nd & 23rd March, 2018 at the departments of Faculty of Technology. With the guidance of faculty members to its students, they were able to demonstrate their excellence in skills and talents. The response of attendees and trainers to the fair was encouraging where they appreciated the projects on display.

The Departments participated in the Project Fair – 2018.

>> Information Technology Department
>> Department of Environmental Science and Engineering
>> Instrumentation & Control Engineering Department
>> Computer Engineering Department
>> Civil Engineering Department
>> Electrical Engineering Department

95+ Teams of students from Departments participated and presented their projects. Review on projects was conducted by expert panel members of the department which shared the feedback that the project fair was very useful for enhancing the capacity of students to explain their work. Zeal and passion was witnessed among the students in presenting their projects, getting recognized for their work done and to provide solutions to societal problems.

15th Global Conference on sustainable manufacturing held in Haifa, Israel.

Technische Universität Berlin and Technion Haifa jointly organized the 15th GCSM in Haifa, Israel. The conference was sponsored by the International Academy for Production Engineering (CIRP, www.cirp.net). GCSM serves as a forum for academics, researchers, and practitioners from international universities, research institutes and industrial companies working on topics related to sustainable manufacturing. It offers keynote speeches, panel discussions and parallel session presentations. The conference was attended by Dr. Sarang Pande, Principal – Faculty of PG Studies at Marwadi University.

Faculty Development Program – Research Methodology

In a globalised world, role of research in an academic institution plays a pivotal role for its sustainability and development, and it is very imperative to have knowledge driven growth based on innovation. The zest for knowledge is the basic principle behind research. The quality of research work directly translates to the quality of teaching and learning in the classroom, thereby benefiting the students, the society and the country.

One Week Faculty Development Programme on Research Methodology was organised by Faculty of Business Management for inculcating and equipping the research techniques among faculty members.

A Faculty Development Programme was organized by Marwadi University in association with Google on 22nd, 23rd & 24th Sept, 2017. This made the Institute to be the 1st University in Gujarat and 2nd at National level to get PWA (progressive web app that uses modern web capabilities to deliver an app-like experience to mobile phone users).

Workshop – "Case Teaching & Case Writing for Management Teachers"

In order to provide students with an interactive experience and bringing them a step closer to real business situations, a two day workshop for Management Teachers on "Case Teaching & Case Writing for Management Teachers" was organized by Faculty of Business Management. The aim of workshop was to provide basic inputs of case method of teaching and learning in management education and attain required skills to write a case to participants.

International Conference – "Advances in Energy Systems and Environmental Engineering"

An International Conference on "Advances in Energy Systems and Environmental Engineering" was held at Wroclaw, Poland. Delegates from 40 countries had participated, where Dr. Amarpreet Singh Arora, Head of Chemical Engineering Department and Senior Professor for Environment Engineering represented from Marwadi University, India.

Dr. Arora had discussions related to environmental sustainability and new initiatives undertaken by Environmental agencies of the respective countries on 03rd July, 2017. Dr. Arora, was invited as an expert by Wroclaw University of Science & Technology, Poland to present his pioneering

CULTURAL ACTIVITIES

Co-curricular activities play a vital role in overall development of a student in shaping and to have preparedness for future career prospects. It helps a student to increase opportunities for social interaction and new relationship development. It inculcates students how to work towards a common goal and thus ultimately develops a sense of responsibility in them.
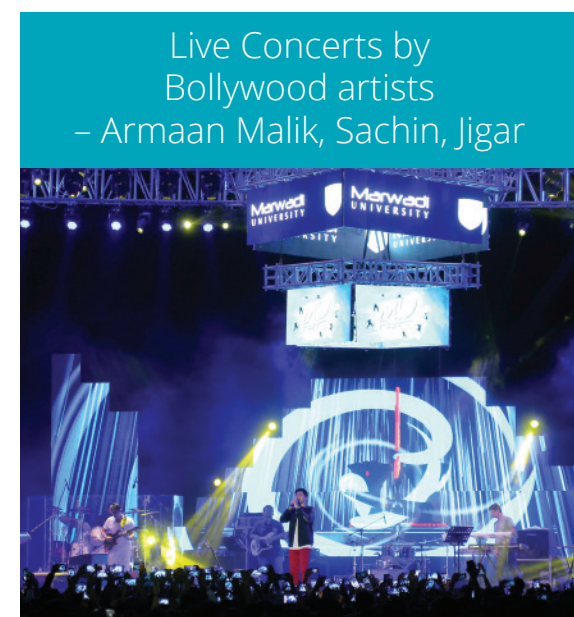
"SAMVET" – 33rd All India University Youth Festival – Udaipur 2017

The students of Performing Arts Department of Marwadi University participated in All India University Youth Festival organized by Mohanlal Sukhadia University, Udaipur in collaboration with Association of Indian Universities, New Delhi in the month of December 2017. The competition was categorized under Music, Dance, Literature, Fine Arts and Theatre. 32 students were selected to perform and show case their talents in the defined categories. Performance gave students a platform and to witness competitive spirit at the national level. 2 students qualified in Debate caterogy and secured their position to perform further at the National Level.

MU FEST – Confluence of Talents

MU Fest is the annual confluence of talents which celebrates a wide range of talents of students across the University. Apart from a delightful and vibrant array of student performances, the University brings in artists and celebrities to ring in the celebrations

Live Concerts by Bollywood artists – Armaan Malik, Sachin, Jigar

Cultural program organized by Hostel Department of MU on 29th Aug, 2017

MU Fest is the annual confluence of talents which celebrates a wide range of talents of students across the University. Apart from a delightful and vibrant array of student performances, the University brings in artists and celebrities to ring in the celebrations

Cultural program was organized by Fiesta Club of Faculty of Computer Applications. The event was held on 04th, 05th and 06th September 2017 at the campus of Marwadi University. Events like Fashion Show, Rangoli competition and Mehendi competition was organized which was actively participated by the students of FCA Department.

"GOTIPUA" (A folk dance of Odisha) Organised by SPIC MACAY Rajkot

The Society for the Promotion of Indian Classical Music And Culture Amongst Youth (SPIC MACAY) is a voluntary youth movement that organizes programs of classical music and dance, folk arts, crafts, yoga, classic cinema screenings, heritage walks, etc. throughout the world to make students more aware about Indian and world heritage. The program was hosted by Marwadi University on 20th August, 2017. This initiative of University makes education more holistic and meaningful as it highlights all that is abstract, subtle, inspiring and mystical in the world teaching one to look within oneself.

Celebrating International Yoga Day

Yoga workshop was organized to celebrate International Yoga Day. Renowned experts Dr. Neerja Chauhan, Dr. Rasila Patel, Mr. Himanshu Limbasia were invited to teach yoga. More than 500 students participated were oriented with the benefits of Yoga and different types of Aasanas were learnt for practicing and to maintain healthy lives.

Celebrating International Women's Days

The University supports and focuses on helping women gain full and equal participation in global development. International Women's Day was celebrated by the Women's Cell of Marwadi University, with a scheduled set of activities for the entire first week of March 2018.

Female Empowerment Workshop

A workshop for female members of Engineering Department "Prana - to empower the Women" was organized on 15th Feb, 2018 by Women Cell of the University. Ms Sonal Shah was invited as an expert who taught self healing techniques to girls to be strong physically and mentally. More than 500 female staff members and students attended the workshop and learnt self healing techniques and to lead a stress free life.

Interaction of BBC Team members with students at the Campus

The BBC India team visited Marwadi University campus on 03rd April, 2018 under the project BBCShe. The project intended to understand issues and concerns related to females in the society. The female students of the Institute were active in raising and sharing their views on problems being faced in the society.

KHELE GUJARAT - LEAGUE KABADDI TOURNAMENT 2017

It was an honor and privilege to host the biggest tournament "KHELE GUJARAT – LEAGUE KABADDI TOURNAMENT 2017" of Government of Gujarat on 16th March to 20th March, 2017 at the University Campus. Team from Marwadi University qualified from Rajkot Zone and 7 zonal qualified teams across Gujarat state were the participants in the tournament. The opening ceremony of the tournament was graced in presence of Mr. Jitendra Chandarana, Vice President Marwadi Univesity as Chief Guest.

FINANCIAL STATEMENT OF THE YEAR

MARWADI EDUCATION FOUNDATION
CONSOLIDATED ABRIDGED INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2018

Expenditure	Sch. No.	Amount ₹ (in lac)	Amount ₹ (in lac)	Income	Sch. No.	Amount ₹ (in lac)	Amount ₹ (in lac)
Admin Expense	24		503.65	Fees	16		7,327.98
Advertisement Expense	25		176.04	Other Fees	17		233.28
Electricity Expense			181.99	Interest Income	18		57.33
Depreciation	1		990.44	Rent Income	19		42.89
Finance Charges	26		532.67	Donation	20		-
House Keeping Expense			138.86	Misc Income	21		34.27
Library Expense			21.96	Penalty for Late Fees	22		13.22
Placement Expense			73.22	MU Tech Fest (Net)	23		-
Repair & Maintenance Expense	27		268.52				
Salary	28		3,375.70				
Employee benifit Expense	29		108.26				
Student Related Expense	30		897.52				
Other Expense	31		0.20				
Excess of Income Over Expenditure Transferred to the Balancesheet			439.94				
Total			**7,708.98**	**Total**			**7,708.98**

Date: 06th Oct, 2018
Place: Rajkot

Examined & Found Correct

Mr. Ketan Marwadi
President

Dr. Y P Kosta
Provost

Mr. Naresh Jadeja
Registrar

Ranpura Desai & Co.
Chartered Accountants