

ADMISSION COMMITTEE FOR PROFESSIONAL COURSES (ACPC)

Mock Round Vacant Seats Details Institute wise Course wise For M.E./M.TECH 2021-22

Institute Name	Course Name	Vacant
A.D.Patel Institute Of Tech.,Karamsad	Thermal Engineering	20
A.D.Patel Institute Of Tech.,Karamsad	CAD-CAM	20
A.D.Patel Institute Of Tech.,Karamsad	Signal Processing and Communications	10
A.D.Patel Institute Of Tech.,Karamsad	Artificial Intelligence	17
A.D.Patel Institute Of Tech.,Karamsad	Renewable Energy	15
A.D.Patel Institute Of Tech.,Karamsad	Food Technology	18
Atmiya University, Faculty of Engineering and Technology, Rajkot	Communication Systems Engineering	11
Atmiya University, Faculty of Engineering and Technology, Rajkot	PRODUCTION ENGINEERING	10
Atmiya University, Faculty of Engineering and Technology, Rajkot	CAD-CAM	10
Atmiya University, Faculty of Engineering and Technology, Rajkot	Power Electronics and Electrical Drives	8
Atmiya University, Faculty of Engineering and Technology, Rajkot	Transportation Engineering	12
Atmiya University, Faculty of Engineering and Technology, Rajkot	Software Engineering	10
B.H.Gardi College Of Engg. & Technology , Rajkot	CAD-CAM	16
B.H.Gardi College Of Engg. & Technology , Rajkot	Software Engineering	24
B.H.Gardi College Of Engg. & Technology , Rajkot	ELECTRICAL ENGINEERING	14
Birla Vishvakarma Maha Vidhyalaya(Sfi), V.V.Nagar	ELECTRICAL ENGINEERING	12
Birla Vishvakarma Maha Vidhyalaya(Sfi), V.V.Nagar	Infrastructure Engineering & Technology - Mechanical	2
Birla Vishvakarma Maha Vidhyalaya(Sfi), V.V.Nagar	Infrastructure Engineering & Technology - Electrical	2
Birla Vishvakarma Maha Vidhyalaya(Sfi), V.V.Nagar	ENVIRONMENTAL ENGINEERING	4
Birla Vishvakarma Maha Vidhyalaya(Sfi), V.V.Nagar	Software Engineering	15
C. K. Pithawala College Of Engg. & Tech., Surat	Machine Design	18
C.U.Shah College Of Engg.& Tech.,Wadhvan	COMPUTER ENGINEERING	8
C.U.Shah College Of Engg.& Tech.,Wadhvan	CAD-CAM	8
Central Institue Of Plastics Engg. & Tech., Vatva, Ahmedabad	PLASTIC ENGINEERING	19
Chandubhai S Patel Institute Of Technology, Changa	Advance Manufacturing Techniques	8
Chandubhai S Patel Institute Of Technology, Changa	Thermal Engineering	9
Chandubhai S Patel Institute Of Technology, Changa	Electrical Power System	10
Chandubhai S Patel Institute Of Technology, Changa	VLSI & Embedded System Design	11
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	ELECTRONICS & COMMUNICATION ENGG.	10
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	Thermal System and Design	20
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	Structural Engineering	8
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	Power System	18
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	Automobile Technology	19

Institute Name	Course Name	Vacant
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	Soil Mechanics and Foundation Engineering	16
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	ENVIRONMENTAL ENGINEERING	19
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	COMPUTER ENGINEERING	19
Chhotubhai Gopalbhai Patel Institute Of Tech., Tarsadi, Bardoli	INFORMATION TECHNOLOGY	19
Darshan Institute Of Engg. & Tech., Rajkot-Morbi Highway, Hadala	Thermal Engineering	8
Darshan Institute Of Engg. & Tech., Rajkot-Morbi Highway, Hadala	Software Engineering	7
Darshan Institute Of Engg. & Tech., Rajkot-Morbi Highway, Hadala	ELECTRICAL ENGINEERING	8
Darshan Institute Of Engg. & Tech., Rajkot-Morbi Highway, Hadala	Transportation Engineering	7
Department of Computer science, Rollwala computer center, Gujarat University Ahmedabad	Web Technology	16
Department of Computer science, Rollwala computer center, Gujarat University Ahmedabad	Networking and Communication - Electronics and Communication Engg.	11
Department of Computer science, Rollwala computer center, Gujarat University Ahmedabad	Networking and Communication - Computer Engg. And Information Tech.	11
Dr. Jivraj Mehta Institute Of Technology, Anand	ELECTRICAL ENGINEERING	10
Dr. Jivraj Mehta Institute Of Technology, Anand	Thermal Engineering	13
DR. S & S.S.Gandhi Government Engineering College Surat	Wireless Communication system and Networks	15
Faculty Of Technology & Engineering(MSU), Vadodara	Industrial Metallurgy	13
Faculty Of Technology & Engineering(MSU), Vadodara	Man-Made Textile	12
Faculty Of Technology & Engineering(MSU), Vadodara	Textile Chemical Processing	17
Faculty Of Technology & Engineering(MSU), Vadodara	TEXTILE ENGINEERING	11
Faculty Of Technology & Engineering(MSU), Vadodara	Materials Technology	8
Faculty Of Technology(Sfi), Dharmsinh Desai University, Nadiad	Electronics & Communication Systems Engineering	5
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	Packaging Technology	27
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	CHEMICAL ENGINEERING	14
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	INDUSTRIAL ENGINEERING	14
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	MECHATRONICS	19
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	INFORMATION TECHNOLOGY	19
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	Communication Systems Engineering	20
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	COMPUTER ENGINEERING	18
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	ELECTRICAL ENGINEERING	27
G.H.Patel College Of Engg. & Tech. , V. V. Nagar	Embedded System	10
Gandhinagar Institute Of Technology, Moti Bhojan, Kalol, Gandhinagar	Thermal Engineering	3
Gandhinagar Institute Of Technology, Moti Bhojan, Kalol, Gandhinagar	Software Engineering	4
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	Civil Engineering (Construction Engg and Management)	18
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	INFORMATION TECHNOLOGY	11

Institute Name	Course Name	Vacant
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	Advance Manufacturing System	4
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	BIOMEDICAL ENGINEERING	3
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	CAD-CAM	5
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	ELECTRICAL ENGINEERING	7
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	COMPUTER ENGINEERING	10
Ganpat University, U.V.Patel College of Engineering, Kherva, Mehsana	Structural Engineering	5
Government Engineering College, Sector 28 Gandhinagar	BIOMEDICAL ENGINEERING	6
Grow More Faculty of Engineering, Berna, Himmatnagar	Software Engineering	25
Grow More Faculty of Engineering, Berna, Himmatnagar	ELECTRICAL ENGINEERING	27
Gujarat Technological University- School of Engineering and Technology , Ahmedabad	Mobile Communication and Network Technology	20
Gujarat Technological University- School of Engineering and Technology , Ahmedabad	Biotechnology	22
Hansaba College Of Engineering And Technology, Siddhpur	Computer science & Engineering (Cloud Computing)	20
Hansaba College Of Engineering And Technology, Siddhpur	Thermal Engineering	27
Hansaba College Of Engineering And Technology, Siddhpur	Data Science and Analytics	19
Hansaba College Of Engineering And Technology, Siddhpur	Structural Engineering	20
Hansaba College Of Engineering And Technology, Siddhpur	ELECTRICAL ENGINEERING	19
Hansaba College Of Engineering And Technology, Siddhpur	COMPUTER ENGINEERING	17
Hasmukh Goswami College Of Engg, Vahelal	INFORMATION TECHNOLOGY	27
Hasmukh Goswami College Of Engg, Vahelal	CAD-CAM	20
Hasmukh Goswami College Of Engg, Vahelal	Transportation Engineering	18
Hasmukh Goswami College Of Engg, Vahelal	Software Engineering	27
Hasmukh Goswami College Of Engg, Vahelal	Structural Engineering	26
Hasmukh Goswami College Of Engg, Vahelal	AUTOMOBILE ENGINEERING	27
Hasmukh Goswami College Of Engg, Vahelal	Communication Systems Engineering	20
Hasmukh Goswami College Of Engg, Vahelal	ELECTRICAL ENGINEERING	26
Hjd Institute Of Technical Education And Reserch, Kera	Structural Engineering	11
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Data Science and Analytics	20
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Structural Engineering	4
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Digital Communication	10
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Industrial Metallurgy	10
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Construction Project Management	3
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	Electrical Power System	19
Indus Institute Of Tech. & Engg., Racharda, Ahmedabad	CAD-CAM	19
Institute of Advance Research, Gandhinagar	COMPUTER SCIENCE & ENGG	11
Institute of Advance Research, Gandhinagar	CHEMICAL ENGINEERING	13
Institute of Advance Research, Gandhinagar	INFORMATION TECHNOLOGY	11
Institute of Infrastructure, Technology, Research and Management- Maninagar -Ahmedabad	Communication Engineering	13
Ipcowala Institute Of Engineering And Technology Dharmaj	Software Engineering	14

Institute Name	Course Name	Vacant
Ipcowala Institute Of Engineering And Technology Dharmaj	Machine Design	14
Kalol Institute Of Tech. & Research Center ,Kalol	ELECTRICAL ENGINEERING	34
Kalol Institute Of Tech. & Research Center ,Kalol	Software Engineering	47
Kalol Institute Of Tech. & Research Center ,Kalol	Machine Design	20
Kalol Institute Of Tech. & Research Center ,Kalol	INFORMATION TECHNOLOGY	20
Kalol Institute Of Tech. & Research Center ,Kalol	Communication Systems Engineering	19
Krishna School of Emerging Technology & Applied Research (Formerly known as Babaria Institute of Technology), Vadodara	Data Science	12
Krishna School of Emerging Technology & Applied Research (Formerly known as Babaria Institute of Technology), Vadodara	Advance Manufacturing System	12
L.D.College Of Engineering, Ahmedabad	RUBBER TECHNOLOGY	20
L.D.College Of Engineering, Ahmedabad	TEXTILE ENGINEERING	6
L.D.College Of Engineering, Ahmedabad	Communication Systems Engineering	16
L.D.R.P. Institute Of Tech. & Research., Gandhinagar	AUTOMOBILE ENGINEERING	9
L.D.R.P. Institute Of Tech. & Research., Gandhinagar	Thermal Engineering	19
L.D.R.P. Institute Of Tech. & Research., Gandhinagar	Electrical Power System	15
L.D.R.P. Institute Of Tech. & Research., Gandhinagar	PRODUCTION ENGINEERING	13
L.D.R.P. Institute Of Tech. & Research., Gandhinagar	COMPUTER ENGINEERING	1
L.J. Institute Of Engg And Tech., Ahmedabad	Communication Systems Engineering	15
L.J. Institute Of Engg And Tech., Ahmedabad	Thermal Engineering	7
L.J. Institute Of Engg And Tech., Ahmedabad	INFORMATION TECHNOLOGY	10
L.J. Institute Of Engg And Tech., Ahmedabad	Software Engineering	6
L.J. Institute Of Engg And Tech., Ahmedabad	CAD-CAM	7
Lalajibhai Chaturbhai Institute Of Tech., Bhandu, Mahesana	Machine Design	11
Lalajibhai Chaturbhai Institute Of Tech., Bhandu, Mahesana	Internal Combustion Engines & Automobile	15
Mahatma Gandhi Inst.Of Technical Edu. And Research Center,Navasari	Thermal Engineering	15
Mahatma Gandhi Inst.Of Technical Edu. And Research Center,Navasari	ELECTRICAL ENGINEERING	14
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	ELECTRICAL ENGINEERING	6
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Software Engineering	4
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Geotechnical Engineering	2
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Transportation Engineering	2
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Thermal Engineering	2
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	CHEMICAL ENGINEERING	6
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Cyber Security	1
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	CAD-CAM	1

Institute Name	Course Name	Vacant
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	ENVIRONMENTAL ENGINEERING	2
Marwadi Edu. Foundation Group Of Institutions, Faculty Of Tech., Rajkot	Power Electronics and Electrical Drives	7
Merchant Engg. College, Basna. Visnagar	ELECTRICAL ENGINEERING	25
Merchant Engg. College, Basna. Visnagar	Thermal Engineering	27
Merchant Engg. College, Basna. Visnagar	Advance Manufacturing System	27
Merchant Engg. College, Basna. Visnagar	Internal Combustion Engines & Automobile	26
Merchant Engg. College, Basna. Visnagar	CAD-CAM	27
Merchant Engg. College, Basna. Visnagar	Structural Engineering	24
Merchant Engg. College, Basna. Visnagar	PRODUCTION ENGINEERING	26
Merchant Engg. College, Basna. Visnagar	Software Engineering	47
Noble Engineering College, Junagadh	Software Engineering	11
Noble Engineering College, Junagadh	ELECTRICAL ENGINEERING	15
Noble Engineering College, Junagadh	CAD-CAM	15
Noble Engineering College, Junagadh	Structural Engineering	14
Noble Engineering College, Junagadh	Communication Systems Engineering	8
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Transportation Engineering	15
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Internal Combustion Engines & Automobile	4
Parul Institute of Engineering & Technology, Waghodia, Vadodara	INFORMATION TECHNOLOGY	3
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Aerospcae Engineering	5
Parul Institute of Engineering & Technology, Waghodia, Vadodara	COMPUTER ENGINEERING	14
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Structural Engineering	31
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Power System	4
Parul Institute of Engineering & Technology, Waghodia, Vadodara	Thermal Engineering	5
Parul Institute of Technology, Waghodia, Vadodara	PRODUCTION ENGINEERING	11
Parul Institute of Technology, Waghodia, Vadodara	Infrastructure Engineering	6
Parul Institute of Technology, Waghodia, Vadodara	ENVIRONMENTAL ENGINEERING	3
Parul Institute of Technology, Waghodia, Vadodara	Machine Design	6
Parul Institute of Technology, Waghodia, Vadodara	Water Resource Management	4
Parul Institute of Technology, Waghodia, Vadodara	CHEMICAL ENGINEERING	5
Parul Institute of Technology, Waghodia, Vadodara	CAD-CAM	1
Parul Institute of Technology, Waghodia, Vadodara	Geotechnical Engineering	4
Parul Institute of Technology, Waghodia, Vadodara	Construction Project Management	7
Parul Institute of Technology, Waghodia, Vadodara	VLSI & Embedded System Design	6
R.K. University - School of Engineering, Rajkot	Structural Engineering	8
R.K. University - School of Engineering, Rajkot	Electrical Power System	9
R.K. University - School of Engineering, Rajkot	COMPUTER ENGINEERING	9
R.K. University - School of Engineering, Rajkot	Machine Design	9
R.K. University - School of Engineering, Rajkot	Thermal Science	9
R.K. University - School of Engineering, Rajkot	CIVIL ENGINEERING	6
Rai School of Engineering, Rai University, Ahmedabad	COMPUTER SCIENCE & ENGG	15

Institute Name	Course Name	Vacant
Rai School of Engineering, Rai University, Ahmedabad	INFORMATION TECHNOLOGY	15
Rai School of Engineering, Rai University, Ahmedabad	Advance Manufacturing System	15
Sal Institute Of Tech. & Engg. Research, Ahmedabad	Software Engineering	1
Sal Institute Of Tech. & Engg. Research, Ahmedabad	Thermal Engineering	6
Sal Institute Of Tech. & Engg. Research, Ahmedabad	Communication Systems Engineering	6
Sankalchand Patel College Of Engg., Visnagar	Structural Engineering	48
Sankalchand Patel College Of Engg., Visnagar	Cyber Security	18
Sankalchand Patel College Of Engg., Visnagar	ENVIRONMENTAL ENGINEERING	27
Sankalchand Patel College Of Engg., Visnagar	PRODUCTION ENGINEERING	23
Sankalchand Patel College Of Engg., Visnagar	Computer Aided Structural Analysis & Design (CASAD)	54
Sankalchand Patel College Of Engg., Visnagar	Signal Processing and Communications	27
Sankalchand Patel College Of Engg., Visnagar	INFORMATION & COMMUNICATION TECHNOLOGY	20
Sankalchand Patel College Of Engg., Visnagar	Transportation Engineering	26
Sankalchand Patel College Of Engg., Visnagar	ELECTRICAL ENGINEERING	24
Sankalchand Patel College Of Engg., Visnagar	Software Engineering	23
Sankalchand Patel College Of Engg., Visnagar	CAD-CAM	19
SARDAR PATEL COLLEGE OF ENGINEERING, BAKROL ANAND	Structural Engineering	3
Sardar Vallabhbhai Patel Institute Of Tech.,Vasad	CAD-CAM	15
Sardar Vallabhbhai Patel Institute Of Tech.,Vasad	System & Network Security	18
Sardar Vallabhbhai Patel Institute Of Tech.,Vasad	Software Engineering	14
Sarvajanik College Of Engg. & Tech. , Surat	ENVIRONMENTAL ENGINEERING	13
Sarvajanik College Of Engg. & Tech. , Surat	Software Engineering	13
SCHOOL OF SCIENCE & ENGINEERING., Navrachana University, Vadodara	Power System	10
SCHOOL OF SCIENCE & ENGINEERING., Navrachana University, Vadodara	Thermal Engineering	10
SCHOOL OF SCIENCE & ENGINEERING., Navrachana University, Vadodara	Structural Engineering	6
SCHOOL OF SCIENCE & ENGINEERING., Navrachana University, Vadodara	COMPUTER SCIENCE & ENGG	10
Shankersinh Vaghela Bapu Institute Of Tech., Unava, Gandhinagar	ELECTRICAL ENGINEERING	15
Shankersinh Vaghela Bapu Institute Of Tech., Unava, Gandhinagar	Communication Systems Engineering	15
Shankersinh Vaghela Bapu Institute Of Tech., Unava, Gandhinagar	PRODUCTION ENGINEERING	11
Shankersinh Vaghela Bapu Institute Of Tech., Unava, Gandhinagar	Software Engineering	12
Shantilal Shah Engineering College ,Bhavnagar	Communication Systems Engineering	14
Shree Pandit Nathulal Vyas Technical Campus, Surendranagar	Software Engineering	27
Shree Pandit Nathulal Vyas Technical Campus, Surendranagar	Power System	20
Shree Pandit Nathulal Vyas Technical Campus, Surendranagar	Structural Engineering	26
Shree Pandit Nathulal Vyas Technical Campus, Surendranagar	CAD-CAM	27

Institute Name	Course Name	Vacant
Shree Pandit Nathulal Vyas Technical Campus, Surendranagar	Artificial Intelligence	26
Shri Satsangi Saketdham `Ram Ashram` Group Of Institutions, Vadasma	ELECTRICAL ENGINEERING	19
Shri Satsangi Saketdham `Ram Ashram` Group Of Institutions, Vadasma	Software Engineering	14
Shri Sitaram N Patel Inst. Of Tech. & Res. (Vidhyabharti Trust), UmraKh	PRODUCTION ENGINEERING	23
Shri Sitaram N Patel Inst. Of Tech. & Res. (Vidhyabharti Trust), UmraKh	Signal Processing and Communications	14
Shroff S.R.Rotary Inst. Of Chemical Technology, Vatatia,Bharuch	Environmental Management	7
Shroff S.R.Rotary Inst. Of Chemical Technology, Vatatia,Bharuch	Thermal Engineering	3
Shroff S.R.Rotary Inst. Of Chemical Technology, Vatatia,Bharuch	CHEMICAL ENGINEERING	4
Sigma Institute Of Engg., Bakrol	ELECTRICAL ENGINEERING	19
Sigma Institute Of Engg., Bakrol	Software Engineering	20
Sigma Institute Of Engg., Bakrol	Thermal Engineering	20
Silver Oak College Of Engg., & Tech. (WITHIN AMHEDABAD MUNICIPAL CORPORATION LIMIT), Ahmedabad	Cyber Security	15
Silver Oak College Of Engg., & Tech. (WITHIN AMHEDABAD MUNICIPAL CORPORATION LIMIT), Ahmedabad	Software Engineering	25
Silver Oak College Of Engg., & Tech. (WITHIN AMHEDABAD MUNICIPAL CORPORATION LIMIT), Ahmedabad	Computer Aided Structural Analysis & Design (CASAD)	24
Silver Oak College Of Engg., & Tech. (WITHIN AMHEDABAD MUNICIPAL CORPORATION LIMIT), Ahmedabad	Internal Combustion Engines & Automobile	26
Silver Oak College Of Engg., & Tech. (WITHIN AMHEDABAD MUNICIPAL CORPORATION LIMIT), Ahmedabad	Communication Systems Engineering	20
SWAMINARAYAN COLLEGE OF ENGG., SAIJ, KALOL	ELECTRICAL ENGINEERING	10
SWAMINARAYAN COLLEGE OF ENGG., SAIJ, KALOL	CAD-CAM	10
Swarnnim Institute of Technology	Data Science	20
Swarnnim Institute of Technology	Communication Systems Engineering	20
Swarnnim Institute of Technology	Artificial Intelligence & Machine learning	20
Swarnnim Institute of Technology	ENVIRONMENTAL ENGINEERING	40
Swarnnim Institute of Technology	Thermal Engineering	20
Swarnnim Institute of Technology	Advance Manufacturing System	20
Swarnnim Institute of Technology	Structural Engineering	18
Swarnnim Institute of Technology	ELECTRICAL ENGINEERING	20
Swarnnim Institute of Technology	Cyber Security	19
VEERAYATAN INSTITUTE OF ENGINEERING TECHNOLOGY & RESEARCH., Mandvi	Machine Design	3
Vishwakarma Government Engineering College, Chandkheda,Gandhinagar	Signal Processing and VLSI Technology	1