

**MGUI**

# **Mahatma Gandhi Universe Institute**

Approved by AICTE, Ministry of HRD and Govt. of India. Affiliated to UPTU, CSJM University-Kanpur

**Prospectus  
2014 - 2015**



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DDIT- MGU primary goal, no matter what trade-offs you face, should always be to meet student's needs first. The structure of our internal departments, the sources of information, the ways we categorize our students in respective field's and departments for technological updation and the depth that one should make a choice to support your best thinking and efforts for the course.

# Welcome

DDIT-MGUI mission is to graduate socially responsible future technologists and business leaders with good communications skills, problem solving skills and an entrepreneurial spirit with a commitment to economic development. With a strong multidisciplinary knowledge base, graduates of MGUI will be well prepared to succeed in an increasingly competitive global economy.

With a focus on multidisciplinary research and education and a learning model that emphasizes active learning, MGUI aspires to be globally known for innovation at the intersection of disciplines. The bold vision builds upon over a decade of excellence of Mahatma Gandhi Institutions in engineering and business education. We invite you to visit our campus in Lucknow and inquire about the programs and activities that interest you.

Dayanand Dinanath Institute of Technology (DDIT) was established by the Dayanand Dinanath Group of Institution (DDGI). It is located at NH#, Milestones 46, at Lucknow-Kanpur Highway, Jagdishpur, Agra, Uttar Pradesh (U.P.) The college has a wide campus covering about 12 acres. The college, at the moment, has the following courses:-

S.No.	Name of the Course	Establishment Year
1.	B.Tech (EC/IT/ME/CS/Civil/AUE)	2008
2.	MBA	2009
3.	BBA	2011
4.	ITI	2013

Various other courses are in the process. Requisite formalities have already been complied with and the approval from the appropriate authority is awaited. These courses are:-

S.No.	Name of the Course
1.	B.Sc
2.	BTC
3.	Polytechnic
4.	LLB
5.	B.Ed



Mahatma Gandhi Universe Institute

# Messegae

Dear Aspirants,

We welcome you to the Mahatma Gandhi DDIT-MGUi Institute that has been built on the principles of truth, equality and triumph preached by our beloved father of the nation. Shri Mahandas K. Gandhi. His inspirational has led us to formulate our values and belief that 'Education is and should be for all' The prime factor of the DDIT-MGUi is to provide education to the underprivileged sections of the society. To empower a large number of students deprived of education, we have devised compensation and scholarships to those who aspire to study but do not have the means for it. Such youth, who have the will to study and aspire to create their own destiny, may write to me at: [scholarships@mgui.edu.in](mailto:scholarships@mgui.edu.in). My team will provide them the avenues for higher studies at our own cost and help them accomplish their dreams.

MGUi endeavors to provide an environment for quality education at affordable rates to all sections of society for the students from the diverse backgrounds, ethnicity, caste, creed and geographical areas. We are striving hard to accomplish our mission through state-of-the-art technology and provide all facilities to all the aspirants who want to become a partner in growth and success of the university.

MGUi is not a government organization but it is entirely self-financed for all its resources. It is driven by a vision, works for a cause and derives pleasure in scaling new heights of success. I take the opportunity to invite students interested in paving a better future to join us and see how an important decision well made in their life can transform their life!

Dr. Rajan Chopra  
Chairman



“ The highest education is that merely give us information but makes our life in harmony with all existence ”

## INSTITUTION ACADEMIC FEATURES

- Coloured Self Instructed Material (SIM)
- Learning Management System
- Dictionaries of Specialized Subjects
- E-Library/Text Books
- E-Learning/E-Books
- Video Lectures
- Industry Speakers
- Self Assessment Tests
- Online Admission Facility
- PPTs for Students & Faculties
- Online On-demand Examination
- Skill Development Programs



# INSTITUTION ACADEMIC FEATURES

## Coloured Self Instructed Material (SIM)



To facilitate smooth self-study institution students are supplied with the unique and comprehensive Self Instructional Material (SIM) at the beginning of the semesters. The SIM material is prepared by renowned authors of the subjects in such a language to make it more attractive and enjoyable. The SIM content of the material is standardized and is prepared as per the syllabus and the curriculum.

## Learning Management System



The Institution LMS enables its students to enhance pedagogical approach and make learning easy and enjoyable. It offers access to Digital library, test and assignments, time table, resource library and much more. Students once enrolled are given access ID and password to the LMS.

## Dictionaries of Specialized Subjects



This is an indigenous and highly appreciated effort undertaken by the institution. The Institution has carefully prepared dictionaries of specialized subjects such as Finance, Marketing, Human Resource Management, Computers and Internet and many more. They are source of reference both for student and for working professional as well. This is the compilation of the major and important terminologies with their meaning and explanation according to the respective subjects.

## E-Library/Text Books

The Institution LMS enables its students to enhance pedagogical approach and make learning easy and enjoyable. It offers access to Digital library, test and assignments, time table, resource library and much more. Students once enrolled are given access ID and password to the LMS.



## E-Learning / E-Books



Institution E-Books are a digital book for students who prefer web-based study over printed material. They are equivalent to the self-instructional material and are available in the form of CD's which can be safely stored and may be carried from one place to another. It enables students to educate themselves on laptop or computers.

## Video Lectures

Institution video lectures are available in the form of CDS and provide virtual classroom experience to students who do not have direct access to teachers. They are prepared and presented by the subject experts and complements the SIM material and Textbook learning.



## Industry Speakers



Institution invites eminent guest speakers from the industry to provide its students with good insight about the changing needs of industry and business. The aim is to bridge the gap between academics and industry requirements to the best possible extent.

## Self Assessment Tests



Institution provides features like self-assessment tests to aid students in creating awareness about the level of their knowledge and educational goals.

## Online Admission Facility

To make the admission process easy and smooth the institution provides an Online Admission Facility. The admission form is available on the website 'Website'. Following the simple steps mentioned on the website, students can easily fill up the admission form and thereafter receive an auto-generated e-mail confirming their admission.

## Online On-demand Examination



For the benefit of students, the term end examinations for both semester programs and annual programs, the examinations are conducted through Online system, with proctors appointed by the university in technology centers, which are equipped with fingerprint identification and camera setup for monitoring by the university officials. Students who require flexibility also encouraged to take up the Online On demand examination, in case they fail to appear in the term end examination.

## Skill Development Programs



## PPTs for Students & Faculties



With an aim to improve the quality of teaching/training and as to develop a sound knowledge base, institution provides specialized facility of PPTs for its students and faculties.

Various Skill development programs are conducted at institution with an aim to impart personal and professional skills along with the academic and research ability. This program facilitates an all-round development in the student.

# ACTIVITIES AT INSTITUTION

- Cricket Ground
- Football
- Basketball
- Volleyball
- Hockey
- Table Tennis
- Gymnastics
- Badminton
- Athletics
- Indoor Games
- Gym
- Yoga
- Music Room
- Dance Room
- Girls & Boys Separate Hostel
- Mess | Canteen



# ACTIVITIES AT INSTITUTION



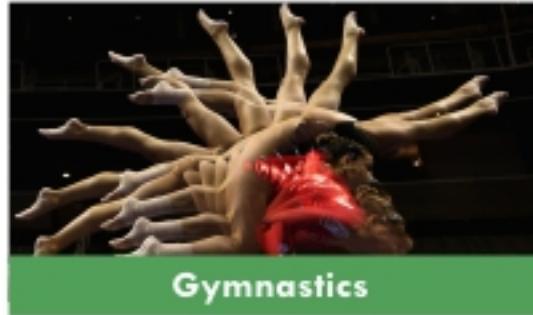
Football



Basketball



Volleyball



Gymnastics



Indoor Games



Yoga



Gym



Table Tennis



Badminton



Athletics



Hockey



Music Room



Dance Room



Girls & Boys Separate Hostel



Mess | Canteen

A group of five young adults are sitting on a wooden bench outdoors, engaged in studying together. A man in a blue shirt is on the left, looking at a laptop. Next to him is a woman in a purple striped shirt. In the center, a woman in a pink jacket and sunglasses is holding a book open. To her right is another woman with long blonde hair, also looking at the book. On the far right, a man in a blue patterned shirt is partially visible, looking towards the group.

“A Man is the  
Product of his thoughts,  
What he thinks,  
he Becomes...”



# Under Graduate Programs

## ITI

The course in ITI is designed in way to impart basic skill in the trade specified. These persons are trained in basic skills required to do jobs of say operator or a craftsman. After passing ITI course a person may opt to undergo practical training in his trade in an industry. ITI qualified persons can set up their own garage, motor/generator/transformer winding shops or fabrication shops depending upon trade opted. Also candidates can apply for jobs in private sector and public sectors. Government organizations. like Indian Army, Navy, Air force and also paramilitary forces like BSF, CRPF provide opportunities for ITI passed candidates of different trades.

Program Name	Duration	Max. Duration	Eligibility	Semester Fee
Fitter	2 Years	4 Years	10th from any recognized board	9000/-
Electrician	2 Years	4 Years	10th from any recognized board	9000/-

Note : Registration Fee Rs. 1100/-, Caution Money Rs. 2000/- (one time).

Optional	Fee
Hostel (Boys & Girls)	45500/-
Transportation	15500/- (Kanpur) 7500/- (Unnao)



“Engineers are behind the cars we drive,  
the pills we pop and the way we power our home.”



# Under Graduate Programs

## ENGINEERING

Engineering is the application of scientific, economic, social, and practical knowledge in order to design, build, maintain, and improve structures, machines, devices, systems, materials and processes. The discipline of engineering is extremely broad, and encompasses a range of more specialized fields of engineering, each with a more specific emphasis on particular areas of technology and types of application.

Program Name	Duration	Max. Duration	Eligibility	Fee (Per Annum)	Fee (Per Annum)
B.Tech in Civil Engg.	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000
B.Tech in Mechanical	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000
B.Tech in Comp. Sci. Engg.	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000
B.Tech in Information Tech.	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000
B.Tech in Automobile Engg.	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000
B.Tech in Electronics & Comm. Engg.	4 Years	7 Years	10+2 with PCM or equivalent	Rs3000/-	\$4000

Note : Registration Fee Rs. 1100/- (\$50), Brochure Rs. 1000/-(\$50),  
Academic Computing fee & other charges[One time] Rs. 5000/- (\$200), Caution Money (One time) Rs. 5000/- (\$250).

Optional	Fee	Fee
Hostel (Boys & Girls)	45500/-	\$1000
Transportation	15000/- (Kanpur) 7500/- (Unnao)	-

# Under Graduate Programs

## B.Tech in Civil Engineering

### Semester - I Theory

Subject Code	Subject Name
EAS-103	Mathematics-I
EAS-101	Engg. Physics-II
EAS-102 / EME-102	Engg. Chemistry / Engg. Mechanics
EEE-101 / ECS-101	Electrical Engg. / Computer Concepts & Programming in C
EEC-101 / EAS-104	Electronics Engineering / Professional Communication
EME-101 / EAS-105	Manufacturing Processes / & Ecology
EAS-109	Remedial English Language*

### Practical

Subject Code	Subject Name
EAS-152/EME-152	Engg. Chemistry Lab/Engg. Mechanics Lab
EEE-151/ECS-151	Electrical Engg Lab / Computer Programming Lab
EWS-151/ECE-151	Workshop/Computer Aided Engg. Graphics
EAS-151/EAS-154	Physics Lab /Professional Communication Lab
GP-101	General Proficiency

### Semester - II Theory

Subject Code	Subject Name
EAS-203	Mathematics-II
EAS-202	Engg. Physics-II
EME-202 / EAS-202	Engg. Mechanics / Engg. Chemistry
ECS-201 / EEE-201	Computer Concepts & Programming in C / Electrical Engg.
EAS-204 / EEC-201	Professional Communication / Electronics Engineering
EAS-205 / EME-201	Environment Ecology/ Manufacturing Processes

### Practical

Subject Code	Subject Name
EME-252 / EAS-252	Engg. Mechanics Lab / Engg. Chemistry Lab
ECS-251 / EEE-251	Computer Programming Lab / Electrical Engg. Lab
ECE-251 / EWS-251	Computer Engg. Graphics / Workshop Practice
EAS-254 / EAS-251	Professional Communication Lab/ Physics Lab
GP-201	General Proficiency

Note : Semester - I & II is common for all B.Tech Courses

# Under Graduate Programs

## B.Tech in Civil Engineering

### Open Science Based Electives

Subject Code	Subject Name
EOE031/041	Introduction to Soft computing
EOE032/042	Nano sciences
EOE033/043	Laser System/Applications
EOE034/044	Space sciences
EOE035/045	Polymer Sciences & Technology
EOE036/046	Nuclear science
EOE037/047	Material Sciences
EOE038/048	Discrete Mathematics

### Elective-I

Subject Code	Subject Name
EOE071	Entrepreneurship Development
EOE072	Quality Management
EOE073	Operation Research
EOE074	Introduction to Biotechnology

### Electives-II

Subject Code	Subject Name
EOE081	Non Conventional Energy Resources
EOE082	Non-linear Dynamic System
EOE083	Product Development
EOE084	Automation & Robotics

# Under Graduate Programs

## B.Tech in Civil Engineering

### Semester - III Theory

Subject Code	Subject Name
EME302	Strength of Material
EAS-301 /	Mathematics III / Science based open electives EOE031-038
EHU301 / EHU-302	Industrial Psychology / Industrial Sociology
ECE 301	Fluid Mechanics
ECE 302	Building Materials & Construction
ECE303	Surveying - I
EHU111	*Human Values and Professional Ethics

### Practical

Subject Code	Subject Name
ECE351	Fluid Mech Lab
ECE352	Buildg. Materials Lab
ECE353	Surveying Lab
ECE354	Building Planning & Drawing
GP 301	General Proficiency

### Semester - IV Theory

Subject Code	Subject Name
EHU402 / EHU-401	Industrial Sociology / Industrial Psychology
EOE 041-048	Science based open electives***
EAS401	Mathematics- III
ECE 401	Structural Analysis -I
ECE 402	Geoinformatics
ECE 403	Hydraulics & Hydraulic Machines
ECE 404	Engineering Geology
EHU 111	*Human Values and Professional Ethics

### Practical

Subject Code	Subject Name
ECE 451	Structural Analysis Lab
ECE 452	Geoinformatics Lab
ECE 453	Hydraulics & Machine Lab
ECE 454	CBSNT Lab
GP 401	General Proficiency

# Under Graduate Programs

## B.Tech in Civil Engineering

### Semester - V Theory

Subject Code	Subject Name
EHU501	Engineering & Managerial Economics
ECE501	Geotechnical Engg
ECE504	Structural Analysis -2
ECE505	Design of Concrete Structures – 1
ECE502	Transportation Engg -1
ECE503	Environmental Engg -1
EHU111	*Human Values and Professional Ethics

### Practical

Subject Code	Subject Name
ECE551	Geotechnical Engg lab
ECE552	Transportation lab
ECE553	Cad Lab – 1
ECE554	Quantity Surveying & Estimation
GP 501	General Proficiency

### Semester - VI Theory

Subject Code	Subject Name
EHU601	Industrial Management
ECE602	Environmental Engg -2
ECE011-014	Departmental Elective-I
ECE021-024	Departmental Elective-II
ECE601	Design of Concrete Structures – 2
ECE603	Transportation Engg - 2
EHU111	*Human Values and Professional Ethics

### Practical

Subject Code	Subject Name
ECE653	Cad Lab-2
ECE652	Environmental Engg lab
ECE651	Structural Detailing Lab
ECE654	Survey Camp**
GP 601	General Proficiency

# Under Graduate Programs

## B.Tech in Civil Engineering

### Semester - VII Theory

Subject Code	Subject Name
ECE071-074	Open Elective – I
ECE031-034	Department Elective-III
ECE041-044	Department Elective-IV
ECE701	Design of Steel Structures
ECE702	Water Resources Engg
EHU111	*Human Values and Professional Ethics

### Semester - VIII Theory

Subject Code	Subject Name
EOE081-084	Open Elective – II
ECE051-054	Departmental Elective-V
ECE061-064	Departmental Elective-VI
ECE801	Construction Technology & Management
EHU111	*Human Value and Professional Ethics

### Practical

Subject Code	Subject Name
ECE751	Seminar
ECE752	Industrial Training**
ECE753	Project#
GP 701	General Proficiency

### Practical

Subject Code	Subject Name
ECE851	Project
GP 801	General Proficiency

# Under Graduate Programs

## B.Tech in Civil Engineering

### Elective-I

Subject Code	Subject Name
ECE011	Advance Automation Design
ECE012	Matrix Analysis of Structures
ECE013	EIA & Auditing
ECE014	Principal of Town Planning & Architecture

### Elective-II

Subject Code	Subject Name
ECE 021	Advance Concrete Design
ECE 022	Earth and Earth Retaining Structures
ECE 023	Transportation System and Planning
ECE 024	Rural Water Supply and Sanitation

### Elective-III

Subject Code	Subject Name
ECE 031	Bridge Engineering
ECE 032	Finite Element Methods
ECE 033	Environmental Geotechnology
ECE 034	Industrial Pollution Control

### Elective-IV

Subject Code	Subject Name
ECE 041	Precast and Modular Construction Practices
ECE 042	Plastic Analysis of Structures
ECE 043	Open Channel Flow
ECE 044	Tunnel Engineering

### Elective-V

Subject Code	Subject Name
ECE 051	Computer Aided Design
ECE 052	Analysis and Design of Hydraulic Structures
ECE 053	Water Resources Systems
ECE 054	Machine Foundation Design

### Elective-VI

Subject Code	Subject Name
ECE061	Ground Improvement Techniques
ECE 062	River Engineering
ECE 063	Environmental Management in Industries
ECE 064	Earthquake Resistant Design of Structures

# Under Graduate Programs

## B.Tech in Mechanical

### Semester - III Theory

Subject Code	Subject Name
EHU-301/	Industrial Psychology /
EHU-302	Industrial Sociology
EAS-301	Mathematics-III / Science Based Open Elective ***EOE301-308
ECE-301	Fluid Mechanics** Engineering Core (Interdisciplinary)
EME301	Materials Science in Engineering
EME-302	Strength of Materials
EME-303	Thermodynamics
EHU-111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME-351	Material Science & Testing Lab
EME-352	Machine Drawing-I
EME-353	Thermodynamics Lab
ECE-351	Fluid Mechanics Lab *
GP-301	General Proficiency

### Semester - IV Theory

Subject Code	Subject Name
EHU-402/	Industrial Sociology /
EHU-401	Industrial Psychology
EAS-401	Mathematics-III/Science Based Open Electives*** EOE041-48
EEE-409	Electrical Machines & Automatic Control Engineering Core (Interdisciplinary)
EME-401	Applied Thermodynamics
EME-402	Manufacturing Science-I
EME-403	Measurement & Metrology
EHU-111	*Human values & Professional Ethics

### Practical

Subject Code	Subject Name
EME-451	Machine Drawing-II
EME-452	Manufacturing Science-I Lab
EME-453	Measurement & Metrology Lab
EEE-459	Electrical Machines & Automatic Control Lab
GP-401	General Proficiency

# Under Graduate Programs

## B.Tech in Mechanical

### Semester - V Theory

Subject Code	Subject Name
EHU-501	Engineering and Managerial Economics
EME-501	Machine Design-I
EME-502	Theory of Machines-II
EME-503	Manufacturing Science-II
EME-504	Heat & Mass Transfer
EPI-501	Production Planning & Control
EHU-111	*Human values & Professional Ethics

### Semester - VI Theory

Subject Code	Subject Name
EHU-601	Industrial Management
EME-011-014	Departmental Elective-I
EME-021-024	Departmental Elective-II
EME-602	Machine Design-II
EME-603	Theory of Machine- II
EPI-601	Principles of Machine Tool Design
EHU-111	*Human values & Professional Ethics

### Practical

Subject Code	Subject Name
EME-551	Machine Design-I Lab
EME 552	Seminar
EME 553	Manufacturing Science-II Lab
EME 554	Heat & Mass Transfer Lab
GP 501	General Proficiency

### Practical

Subject Code	Subject Name
EME-651	Fluid Machinery Lab
EME-652	Machine Design-II Lab
EME-653	Theory of Machines Lab
EPI-651	Machine Tool Design Lab
GP-601	General Proficiency

# Under Graduate Programs

## B.Tech in Mechanical

### Semester - VII Theory

Subject Code	Subject Name
EOE-071-074	Open Elective-I**
EME-031-036	Departmental Elective-III
EME-041-046	Departmental Elective-IV
EME-701	Computer Aided Design
EME-702	Automobile Engineering
EHU-111	*Human values & professional Ethics

### Semester - VIII Theory

Subject Code	Subject Name
EOE-081-084	Open Elective-II**
EME-051-056	Departmental Elective - V
EME-061-066	Departmental Elective – VI
EPI-801	Quality Control
EHU-111	*Human values & professional Ethics

### Practical

Subject Code	Subject Name
EME-751	CAD/CAM Lab
EME-752	I.C.Engine & Automobile Lab
EME-753	Project
EME-754	Industrial Training I & II Evaluation and viva-
GP 701	General Proficiency

### Practical

Subject Code	Subject Name
EME-851	Project
GP-601	General Proficiency

# Under Graduate Programs

## B.Tech in Mechanical

### Elective-I

Subject Code	Subject Name
EME-011	Fluid Machinery
EME-012	Unconventional Manufacturing Processes
EME-013	Product Development & Design
EME-014	Reliability Engineering

### Elective-II

Subject Code	Subject Name
EME-021	Non-Conventional Energy Resources & Utilization
EME-022	Advanced Welding Technology
EME-023	Optimization Techniques in Engineering
EME-024	Mechanical Vibrations

### Elective-III

Subject Code	Subject Name
EME-031	Computer Aided Manufacturing
EME-032	Project Management
EME-033	Advanced Fluid Mechanics
EME-034	Experimental Stress Analysis
EME-035	Advanced Dynamics of Machines
EME-036	Management Information System

### Elective-IV

Subject Code	Subject Name
EME-041	Total Quality Management
EME-042	Thermal Turbo Machines
EME-043	Mechanical System Design
EME-044	Tribology
EME-045	Industrial Ergonomics
EME-046	Concurrent Engineering

### Elective-V

Subject Code	Subject Name
EME-051	Operations Research
EME-052	Maintenance Engineering & Management
EME-053	Design of Thermal Systems
EME-054	Advanced Synthesis of Mechanisms
EME-055	Six Sigma Methods & Applications
EME-056	Concepts of Modern Physics

### Elective-VI

Subject Code	Subject Name
EME-061	Finite Element Method
EME-062	Non-Destructive Testing
EME-063	Advanced Materials Technology
EME-064	Production & Operations Management
EME-065	Energy Management
EME-066	Fundamentals of Bio Medical Engineering

# Under Graduate Programs

## B.Tech in Computer Science

### Semester - III Theory

Subject Code	Subject Name
ECS-301	Digital Logic Design
EAS-301	Mathematics-III
EHU-301/	Industrial Psychology/
EHU-302	Industrial Sociology
ECS-302	Data Structures Using C
ECS-303	Discrete Mathematical Structures
ECS-304	IT Infrastructure and Its Management
EHU-111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
ECS-351	Logic Design Lab
ECS-352	Data structures Lab
ECS-353	Numerical Techniques
GP-301	General Proficiency

### Semester - IV Theory

Subject Code	Subject Name
EHU-402/	Industrial Sociology /
EHU-401	Industrial Psychology
EOE-041-048	Science Based Open Elective
EEC-406	Introduction to Microprocessor
ECS-401	Computer Organization
ECS-402	Database Management Systems
ECS-403	Theory of Automata & Formal Languages
EHU-111	*Human values & Professional Ethics

### Practical

Subject Code	Subject Name
EEC-456	Microprocessor Lab
ECS-452	D&MS Lab
ECS-453	Computer Organization Lab
GP-401	General Proficiency

# Under Graduate Programs

## B.Tech in Computer Science

### Semester - V Theory

Subject Code	Subject Name
EHU-501	Engineering & Managerial Economics
ECS-501	Operating System
ECS-502	Design and Analysis of Algorithms
ECS-503	Object Oriented Techniques
ECS-504	Computer Graphics
ECS-505	Graph Theory

### Semester - VI Theory

Subject Code	Subject Name
EHU-601	Industrial Management
ECS-601	Computer Network
ECS-602	Software Engineering
ECS-603	Compiler Design
ECS-604	Web Technology
EIT-505	Information Security and Cyber Laws

### Practical

Subject Code	Subject Name
ECS-551	Operating System Lab*
ECS-552	Algorithms Lab*
ECS-553	Object Oriented Techniques Lab*
ECS-554	Computer Graphics Lab*
GP-501	General Proficiency

### Practical

Subject Code	Subject Name
ECS-651	Computer Network Lab*
ECS-652	Web Technology based Software Engineering Lab*
ECS-653	Compiler Lab*
ECS-654	Seminar
GP-601	General Proficiency

# Under Graduate Programs

## B.Tech in Computer Science

### Semester - VII Theory

Subject Code	Subject Name
EOE-071-074	Open Elective-I
ECS-701	Distributed Systems
ECS-702	Digital Image Processing
	CS-Elective-I
	CS-Elective-II

### Semester - VIII Theory

Subject Code	Subject Name
EOE-081-084	Open Elective-II
ECS-801	Artificial Intelligence
	CS-Elective-III
	CS-Elective-IV

### Practical

Subject Code	Subject Name
ECS-751	Distributed Systems Lab*
ECS-752	Digital Image Processing Lab*
ECS-753	Project
ECS-754	Industrial Training Viva-Voce
GP-701	General Proficiency

### Practical

Subject Code	Subject Name
ECS-851	Artificial Intelligence Lab*
ECS-852	Project
GP-801	General Proficiency

# Under Graduate Programs

## B.Tech in Computer Science

### Elective-I

Subject Code	Subject Name
ECS-071	Computational Geometry
ECS-072	Computational Complexity
ECS-073	Parallel Algorithms
ECS-074	Pattern Recognition

### Elective-II

Subject Code	Subject Name
ECS-075	Data Mining & Data Warehousing
ECS-076	Distributed Database
EIT-073	Bioinformatics
ECS-077	Data Compression
EIT-074	IT in Forensic Science

### Elective-III

Subject Code	Subject Name
ECS-081	Real Time System
ECS-082	Software Project Management
ECS-083	Embedded Systems
ECS-084	Cryptography & Network Security

### Elective-IV

Subject Code	Subject Name
ECS-085	Neural Networks
ECS-086	Natural Language Processing
ECS-087	Mobile Computing
*ECS-088	Soft Computing

# Under Graduate Programs

## B.Tech in Information Technology

Semester - V

### Theory

Subject Code	Subject Name
EHU-501	Engineering & Managerial Economics
ECS-501	Operating Systems
ECS-502	Design and Analysis of Algorithms
EIT-501	E-Commerce
ECS-504	Computer Graphics
EIT-505	Information Security and Cyber Laws

Semester - VI

### Theory

Subject Code	Subject Name
EHU-601	Industrial Management

### Practical

Subject Code	Subject Name
EIT-551	Operating System Lab*
EIT-552	Algorithms Lab*
EIT-553	Mini Project using Web Technology -1
EIT-554	Computer Graphics Lab*
GP-501	General Proficiency

### Theory

Subject Code	Subject Name
ECS-601	Computer Network
EIT-601	Software Project Management
	IT-Elective-I
EIT-602	ERP
ECS-505	Graph Theory

### Practical

Subject Code	Subject Name
EIT-651	Computer Network Lab*
EIT-652	Software Project Management Lab*
EIT-653	Mini Project using Web Technology -2
EIT-654	Seminar
GP-601	General Proficiency

# Under Graduate Programs

## B.Tech in Information Technology

### Semester - VIII Theory

Subject Code	Subject Name
EOE-071-074	Open Elective-I
EOE-701	Cryptography & Network Security
ECS-801	Artificial Intelligence
	IT-Elective-II
	IT-Elective-III

### Semester - IX Theory

Subject Code	Subject Name
EOE-081-084	Open Elective-II
ECS-701	Distributed Systems
	IT-Elective-IV
	IT-Elective-V

### Practical

Subject Code	Subject Name
EIT-751	Cryptography & Network Security Lab*
EIT-752	Artificial Intelligence Lab*
EIT-753	Project
EIT-754	Industrial Training Viva- Voce
GP-701	General Proficiency

### Practical

Subject Code	Subject Name
EIT-851	Distributed Systems Lab*
EIT-852	Project
GP-801	General Proficiency

# Under Graduate Programs

## B.Tech in Automobile Engineering

### Semester - III Theory

Subject Code	Subject Name
EHU - 301/EHU - 302	Industrial Psychology/Industrial Sociology
EAS - 301/	Mathematics III / Science Base Open electives EOE031-03B
ECE - 301	Fluid Mechanics**
EME - 301	Material Science in Engineering
EME - 302	Strength of Materials
EME - 303	Thermodynamics
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME - 351	Material Science & Testing Lab
EME - 352	Machine Drawing-I
EME - 353	Thermodynamics Lab*
ECE - 351	Electrical Machines & Automatic Control lab
GP 501	General Proficiency

### Semester - IV Theory

Subject Code	Subject Name
EHU - 402/EHU - 401	Industrial Sociology/ Industrial Psychology
EAS - 401	Mathematics III/Science Based Open Electives***EOE041-048
EEE - 409	Electrical Machines & Automatic Control
EME - 401	Applied Thermodynamics
EME - 402	Manufacturing science-I
EME - 403	Measurement & Metrology
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME - 451	Machine Drawing- II
EME - 452	Manufacturing science-I Lab
EME - 453	Measurement & Metrology Lab
EEE - 459	Fluid Machine Lab
GP 501	General Proficiency

# Under Graduate Programs

## B.Tech in Automobile Engineering

### Semester - III Theory

Subject Code	Subject Name
EHU - 301/EHU - 302	Industrial Psychology/Industrial Sociology
EAS - 301/	Mathematics III / Science Base Open electives EOE031-03B
ECE - 301	Fluid Mechanics**
EME - 301	Material Science in Engineering
EME - 302	Strength of Materials
EME - 303	Thermodynamics
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME - 351	Material Science & Testing Lab
EME - 352	Machine Drawing-I
EME - 353	Thermodynamics Lab*
ECE - 351	Electrical Machines & Automatic Control lab
GP 501	General Proficiency

### Semester - IV Theory

Subject Code	Subject Name
EHU - 402/EHU - 401	Industrial Sociology/ Industrial Psychology
EAS - 401	Mathematics III/Science Based Open Electives***EOE041-048
EEE - 409	Electrical Machines & Automatic Control
EME - 401	Applied Thermodynamics
EME - 402	Manufacturing science-I
EME - 403	Measurement & Metrology
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME - 451	Machine Drawing- II
EME - 452	Manufacturing science-I Lab
EME - 453	Measurement & Metrology Lab
EEE - 459	Fluid Machine Lab
GP 501	General Proficiency

# Under Graduate Programs

## B.Tech in Automobile Engineering

### Semester - V Theory

Subject Code	Subject Name
EHU - 501	Engineering and managerial economics
EME - 501	Machine Design-I
EAU - 501	Theory of machines
EME - 505	IC engines and Compressors
EME - 504	Heat and Mass transfer
EME - 503	Manufacturing science-II
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EME - 551	Machine Design Lab
EAU - 551	Theory of machines Lab
EME - 553	Manufacturing science-II Lab
EME - 554	Heat and Mass transfer Lab
GP 501	General Proficiency

### Semester - VI Theory

Subject Code	Subject Name
EHU - 601	Industrial Management
EAU 011 - 013	Department elective I
EAU-021- 023	Department elective II
EAU 602	Automotive fuels and lubricants
EAU 603	Design of automotive components
EHU - 111	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EAU - 653	Design of automotive components Lab
EAU 652	Auto fuel and lubrication lab
EAU 651	IC engine and automobile lab
EAU 654	Seminar
GP 301	General Proficiency

# Under Graduate Programs

## B.Tech in Automobile Engineering

### Semester - VII Theory

Subject Code	Subject Name
EOE 071-074	Open Elective – I**
EAU 031 -33	Department elective III
EAU 041 -43	Department elective IV
EAU 701	Computer Aided Design and Manufacturing
EAU 702	Automotive Pollution & Control
EHU 111	*Human Values and professional ethics

### Semester - VIII Theory

Subject Code	Subject Name
EOE 081 -84	Open elective – II**
EAU 051 -53	Department elective-V
EAU 061 -63	Department elective-VI
EAU 801	Trouble shooting, Servicing & Maintenance of Automobile
EHU 851	*Human values and professional ethics

### Practical

Subject Code	Subject Name
EAU - 751	CAD/CAM Lab
EAU - 752	Automotive Pollution & Control Lab
EAU - 753	Project
EAU - 754	Industrial training/Viva voice
GP 301	General Proficiency

### Practical

Subject Code	Subject Name
EAU - 802	Project
GP 601	General Proficiency

# Under Graduate Programs

## B.Tech in Automobile Engineering

### Elective-I

Subject Code	Subject Name
EAU-011	Automotive chassis and suspension
EAU-012	Tribology
EAU-013	Robotics and Automation

### Elective-II

Subject Code	Subject Name
EAU-021	Vehicle transport management
EAU-022	Automotive electrical and autotronics
EAU-023	Product design and assembly automation

### Elective-III

Subject Code	Subject Name
EAU-031	Vehicle body engineering and safety
EAU-032	Automotive aerodynamics
EAU-033	Optimization for engineering design

### Elective-IV

Subject Code	Subject Name
EAU-041	Advanced automobile technologies
EAU-042	Automotive air conditioning
EAU-043	Interactive computer graphics

### Elective-V

Subject Code	Subject Name
EME-051	Computer aided vehicle design
EME-052	Alternative energy sources for automobiles
EME-053	Vehicle dynamics

### Elective-VI

Subject Code	Subject Name
EME-061	Computer simulation of IC engines
EME-062	Finite Element Method
EME-063	Hydraulic and pneumatic systems

# Under Graduate Programs

## B.Tech in Electronics

### Semester - III

#### Theory

Subject Code	Subject Name
EHU-301/	Industrial Psychology/
EHU-302	Industrial Sociology
EAS-301/	Mathematics III / Science based Open Elective EOE031-038
EEC-301	Fundamentals of Electronics Devices
EEC-302	Digital Electronics
EEC-303	Electromagnetic Field Theory
EEC-304	Fundamentals of Network Analysis & Synthesis
EHU-111	*Human Values & Professional Ethics

#### Practical

Subject Code	Subject Name
EEC-351	Electronics Engineering Lab I
EEC-352	Digital Electronics Lab-I
EEC-353	PCB & Electronics Workshop
GP 301	General Proficiency

### Semester - IV

#### Theory

Subject Code	Subject Name
EHU-402/	Industrial Sociology/Industrial
EHU-401	Psychology
EAS-401	Mathematics III/Science Based Open Electives***EOE041-048
EEC-401	Electronic circuits
EEC-402	Computer Architecture & Organization
EEC-403	Electronic Instrumentation and Measurements
EEC-404	Signals and Systems
EHU-111	*Human Values & Professional Ethics

#### Practical

Subject Code	Subject Name
EEC-451	Electronics Engineering lab II
EEC-452	Digital Electronics Lab II
EEC-453	Measurement lab
GP 401	General Proficiency

# Under Graduate Programs

## B.Tech in Electronics

### Semester - V

#### Theory

Subject Code	Subject Name
EEC 501	Integrated Circuits
EEC 502	Principles of Communications
EEC 503	Microprocessors
EEC 504	Antenna & Wave Propagation
EIC 501	Control Systems - I
EHU 501	Engineering and Managerial Economics
AUC 001	*Human Values & Professional Ethics

#### Practical

Subject Code	Subject Name
EEC 551	Integrated circuits Lab
EIC 551	Control Systems Lab
EEC 552	Communication Lab- I
EEC 553	Microprocessors Lab
GP 501	General Proficiency

### Semester - VI

#### Theory

Subject Code	Subject Name
EHU 601	Industrial Management
EEC 601	Digital communication
EEC 602	Digital Signal Processing
EEC 603	Microwave Engineering
EEC 604	Introduction to Electric Drives
	Departmental Elective-I**
AUC 001	*Human Values & Professional Ethics

#### Practical

Subject Code	Subject Name
EEC 654	Seminar
EEC 651	Communication Lab – II
EEC 653	CAD of Electronics Lab
EEC 652	DSP Lab
GP 601	General Proficiency

# Under Graduate Programs

## B.Tech in Electronics

Semester - VII

### Theory

Subject Code	Subject Name
EOE-07*	Open Elective-I**
EIC-02*	Departmental Elective-II
EIC-701	Control System II
EIC-702	Telemetry Principles
EIC-703	Digital Measurement Techniques
AUC-001	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EIC-751	Control System Lab II
EIC-752	Telemetry Lab
EIC-753	Industrial Training Viva- Voce
EIC-754	Project
GP-701	General Proficiency

Semester - VIII

### Theory

Subject Code	Subject Name
EOE-08*	Open Elective-II**
EIC-03*	Departmental Elective-III
EIC-801	Optimal Control Systems
EIC-802	Biomedical Instrumentation
AUC-001	*Human Values & Professional Ethics

### Practical

Subject Code	Subject Name
EIC-851	Project
GP-801	General Proficiency

### Elective - I

Subject Code	Subject Name
EEC 011	Analog signal processing
EEC 012	Data Structures
EEC 013	Advance Semiconductor Devices
EIC 601	Microcontroller

## Marketing Strategy





## UG & PG Programs

### MANAGEMENT

Today's global economy calls for multifaceted leaders who have a more integrated view of business, can spot emerging opportunities, and can navigate all economic environments. To help you master these multifunctional skills, the Management Program provides a more comprehensive view of leadership—and accelerates your transition from a functional specialist to an outstanding general manager.

Program Name	Duration	Max. Duration	Eligibility	Semester Fee(Rs)	Semester Fee(USD)
BBA	3 Years	6 Years	10+2 in any stream or equivalent	25000/-	\$1700

Program Name	Duration	Max. Duration	Eligibility	Fee (Per Annum)	Fee (Per Annum)
MBA	2 Years	4 Years	Graduate in any stream or equivalent	83000/-	\$4000

Note : Registration Fee Rs. 1100/- (\$50), Brochure Rs. 1000/-(\$50),  
Academic Computing fee & other charges(One time) Rs. 5000/- (\$200), Caution Money (One time) Rs. 5000/- (\$250).

Optional	Fee	Fee
Hostel [Boys & Girls]	45500/-	\$1000
Transportation	15000 /- (Kapur) 7500 /- (Unnao)	-



# Under Graduate Programs

## BBA (Bachelor of Business Administration)

### Semester - I

Subject Code	Subject Name
BBA-N101	Business Organisation
BBA-N102	Business Maths
BBA-N103	Principles of Economics
BBA-N104	Book-Keeping & Basic Accounting
BBA-N105	Business Laws
BBA-N106	Fundamentals of Business Management
BBA-N107	Business Ethics

### Semester - II

Subject Code	Subject Name
BBA-N201	Business Environment
BBA-N202	Business Communication
BBA-N203	Indian Economy
BBA-N204	Principles of Accounting
BBA-N205	Organisational Behaviour
BBA-N206	Business Statistics
BBA-N207	Presentation & Viva Voce

### Semester - III

Subject Code	Subject Name
BBA-N301	Advertising Management
BBA-N302	Indian Banking System
BBA-N303	Human Resource Management
BBA-N304	Marketing Management
BBA-N305	Company Accounts
BBA-N306	Company Law
BBA-N307	Viva Voce

### Semester - IV

Subject Code	Subject Name
BBA-N401	Consumer Behaviour
BBA-N402	Financial Management
BBA-N403	Production Management
BBA-N404	Sales Management
BBA-N405	Research Methodology
BBA-N406	Operations Research
BBA-N407	Market Survey Report Project Evaluation & Viva-Voce

# Under Graduate Programs

## BBA (Bachelor of Business Administration)

### Semester - V

Subject Code	Subject Name
BBA-N501	Managerial Economics
BBA-N502	Entrepreneurship & Small Business Mgt.
BBA-N503	Income Tax Laws and Accounting
BBA-N504	Cost & Management Accounting
BBA-N505	Industrial Law
BBA-N506	Fundamentals of Computers
BBA-N507	Environmental Science
BBA-N508	Viva Voce

### Semester - VI

Subject Code	Subject Name
BBA-N601	International Trade
BBA-N602	Strategic Mgt. & Business Policy
BBA-N603	VAT & Service Tax
BBA-N604	Management Information System
BBA-N605	Auditing
BBA-N606	Fundamentals of e-Commerce
BBA-N607	Project Report & Evaluation
BBA-N608	Comprehensive Viva-voce

# Post Graduate Programs

## MBA (Masters of Business Administration)

### Semester - I

Subject Code	Subject Name
MBA 011	Principles & Practice of Management
MBA 012	Managerial Economics
MBA 013	Accounting & Financial Analysis
MBA 014	Organizational Behaviors
MBA 015	Business Statistics
MBA 016	Marketing Management
MBA 017	Computer Applications in Management
MBA 018	Communication for Management

### Semester - II

Subject Code	Subject Name
MBA 021	Business Environment
MBA 022	Business Laws
MBA 023	Research Methodology
MBA 024	Operations Research
MBA 025	Production & Operations Management
MBA 026	Cost & Management Accounting
MBA 027	Financial Management
MBA 028	Managing Human Resources

### Semester - III

Subject Code	Subject Name
MBA 031	Supply Chain Management
MBA 032	Strategic Management
MBA 033	Management Information System
MBA 034	Consumer Behaviour & Marketing Communication
MBA 035	Summer Training Project Report

### Semester - IV

Subject Code	Subject Name
EHU-402/EHU-401	Industrial Sociology / Industrial Psychology
EAS-401	Mathematics-III/Science Based Open Electives*** EOEO41-48
EEE-409	Electrical Machines & Automatic Control Engineering Core (Interdisciplinary)
EME-401	Applied Thermodynamics
EME-402	Manufacturing Science-I
EME-403	Measurement & Metrology
EHU-111	*Human values & Professional Ethics

Graduation Day! It fills the heart with mixed feelings -- fulfillment and sadness, anxiety and eagerness. Say goodbye to the comfortable and secure life within school walls. Get ready to march to the beat of the business world. "Look out for the sharks," warns one professor. "Learn to identify opportunity," says another. The uncertainty of the future looms large over fresh graduates as they spread out their wings. Armed with diplomas and idealistic dreams, they charge ahead with enthusiasm. The fresh graduate needs oodles of advice and inspiration. So what better than a good graduation or diploma course .And to get real work experience, you need a job, and most jobs will require you to have had either real work experience or a graduate degree.





# Proposed Programs

## DIPLOMA\*

A Diploma is a certificate or deed issued by an educational institution, that testifies that the recipient has successfully completed a particular course of study.

Program Name	Duration	Max. Duration	Eligibility
Production Engg.	3 Years	5 Years	10th with min. 35%
Civil Engg.	3 Years	5 Years	10th with min. 35%

## GRADUATION\*



A Graduate Degree is an academic certificate that is awarded to persons who have demonstrated that they have the mastery over a field of study or a professional practise. This degree is earned after a minimum of three years of study, and one must have an Undergraduate Degree.

Program Name	Duration	Max. Duration	Eligibility
B. A	3 years	5 Years	10+2 in any stream or equivalent
B.Com	3 years	5 Years	10+2 in commerce or equivalent
B.Sc.		-	
B.Ed	1 years	-	Graduate in any stream or equivalent
B.T.C	2 years	-	Graduate in any stream or equivalent

\*Subject to approval

## Messges From a Student

*I came to MGUI with a Dream; it taught me that Zeal without knowledge is like fire without light. I want to thank MGUI for helping me to achieve what I wanted from my life. I will cherish each and every moment of my days spent in MGUI as a proud student.*

[www.ddit-mgui.com](http://www.ddit-mgui.com)



Institution Approved by AICTE, Ministry of HRD and Govt of India, New Delhi & Affiliated to UPTU, Lucknow

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