

ANNUAL REPORT – 2020-21

Academic Committee for the Year – 2020-21

Chairperson	Dr. G L Easwara Prasad	Principal
Members	Dr. Divakara Shetty S	Dean (Academics)
	Dr. C R Rajashekhar	Head, Dept. of Mechanical Engg
	Dr. G Purushotham	Head, Dept. of Aeronautical Engg
	Dr. Ganesha Mogaveera	Head, Dept. of Civil Engg
	Dr. Venkataramana Bhat P	Head, Dept. of Computer Science & Engg
	Dr. Vinayambika S Bhat	Head, Dept. of Electronics & Communication Engg
	Mr. Manjunath H	Head, Dept. of Information Science & Engg
	Dr. Lokesha M	Head, Dept. of Mechatronics
	Mrs. Vineetha Telma D'Souza	Head, Dept. of Chemistry
	Dr. Asha Crasta	Head, Dept. of Mathematics
	Dr Raghavendra Sagar	Head, Dept. of Physics
	Mr. Jayadeva Prasad M	Head, Dept. of Master of Business Administration

ACADEMIC COMMITTEE

Report for the Academic Year 2020-21

Academic committee of our institution formulates all the requirements for the implementation of teaching learning process; it is uniformly followed by all the departments of our institution. The committee sets the academic calendar of the institution inline with the academic calendar of the Visvesvaraya Technological University (VTU) and oversees its implementation along with the smooth functioning of classes, examinations, and all other academic requirements. Classes were conducted in dual mode depending on Covid-19 situation during the respective period. The performance of students with good results in the examinations clearly shows the effectiveness with which the teaching learning procedures are implemented in the institution.

Number of meetings conducted: 05

Sr. No	Date of Meeting
1	28-08-2020
2	20-10-2020
3	12-12-2020
4	16-04-2021
5	15-07-2021

Academic Performance:

Our graduating batch of students of 2020-21 has secured very good results in the University examinations. Following are the results of students from different departments:

Sl. No.	Department	Total Number of Students	Number of Students Appeared	FCD	FC	SC	Overall Result
1	Aeronautical Engineering	63	63	59	02	-	97%
2	Civil Engineering	104	104	95	01	-	92.3%
3	Computer Science & Engineering	116	116	114	-	-	98.3%
4	Electronics and Communication Engineering	103	103	101	1	0	99%
5	Information Science & Engineering	56	56	53	3	-	100%
6	Mechatronics Engineering	54	54	54	-	-	100%
7	Mechanical Engineering	183	183	163	10	2	95.6%
8	Master of Business Administration	105	105	31	69	02	97%

University Ranks:

University has not yet announced the ranks for Academic Year 2020-21.

New Programs added:

New Engineering program B.E.(Artificial Intelligence and Machine Learning) has been introduced in this academic year 2020-21.

Awards and Recognitions:

- Projects developed by our students are being financially supported by **Karnataka State Council for Science and Technology (KSCST)** for their innovative ideas **continuously every year** since 2012-13. During the current academic year 2020-21 total of **26 final year Projects have been financially supported by KSCST** by considering innovative concepts and ideas.

Sl. No.	Department	Number of Projects
1	Aeronautical Engineering	04
2	Civil Engineering	02
3	Computer Science & Engineering	01
4	Electronics and Communication Engineering	01
5	Information Science & Engineering	01
6	Mechatronics Engineering	04
7	Mechanical Engineering	11
8	Master of Business Administration	02
Total Number of Projects		26

- Our students are achieving the **Best Project Award from KSCST** from last 4 years continuously. During the academic year 2020-21, out of 26 projects, the following **one project** has been awarded as **Best project of the State** in the respective program after the State level evaluation of the projects by the expert committee of KSCST.

Sl. No.	Department	Project Title
1	Mechatronics Engineering	Utilization of Chicken Feather to Produce Hybrid Composite and Study on its Frequency Response

- Students from our institute are continuously participating and winning prizes in project competition '**Anveshana**', a National Science & Engineering competition organized by Agastya International Foundation. In the academic year 2020-21, **3 student projects** out of total 61 shortlisted projects were selected for final round of presentation and exhibition. Project titled "CO₂ Extraction from Atmospheric Air" bagged **4th prize in the Grand Finale** on 29th March 2021 to 2nd April 2021. Another project titled "Smart Crop-Rescuer" received **3rd Consolation prize**, while third project titled "Low Cost UV Sterilization Box" received **5th Consolation prize**.
- Project titled "Deep vision: A Night Vision Driver Assistance System" from students of Mechatronics Engineering Department was **Top 100 finalist** amongst 2716 projects in the country in **KPIT Sparkle National Innovation Challenge 2021**. The Project also received a grant of Rs 50,000 from iSpark for Incubating the Idea (March 2021).
- Student Project titled "Re-processable Fuels for IC Engines" of Mechatronics Engineering and Mechanical Engineering Departments was selected for Grand Finale being **Top 20 finalist** amongst 2716 projects in the country in **KPIT Sparkle National Innovation Challenge** (March 2021).
- Project title "Real Time Flow Visualization using Projection Mapping Technique" from students of Electronics & Communication Engineering department received **Best Project Award in 5th National Level IEEE Project Competition -2021**.
- Project titled "Digitization of Flow Visualization using and Comparative Study between Conventional Methods" from students of Electronics & Communication Engineering department won **First Prize in IEEE I2 CONNECT-2021**.



Mangalore Institute of Technology and Engineering

(An ISO 9001:2015 Certified Institution)

(A Unit of Rajalaxmi Education Trust)

Badaga Mijar, Moodabidri-574225

Accreditation:

Department of Information Science & Engineering and Mechatronics Engineering have been informed to make necessary preparations for pre-qualifiers for NBA. Department of Aeronautical Engineering has been instructed to prepare data for submission to NBA for second round.

Conferences , Workshops and FDPs organized in Campus

- AICTE Training And Learning (ATAL) Academy sponsored 5-days Faculty Development Programme on “ENVIRONMENTAL GEO TECHNOLOGY” was organized by Department of Civil Engineering from January 25-29, 2021.
- AICTE Training And Learning (ATAL) Academy sponsored 5-days Faculty Development Programme on "Sustainable Solutions in Hybrid Vehicles" was organized by Department of Mechanical Engineering from December 14-18, 2020.
- Entrepreneurship Development Cell conducted an Entrepreneurship Awareness Program (EAP) from December 12-14, 2020.
- AICTE Training And Learning (ATAL) Academy sponsored 5-days Faculty Development Programme on "Sustainable Energy Solutions in Solar Energy Applications” was organized by Department of Mechanical Engineering from November 23-27, 2020.
- AICTE Training And Learning (ATAL) Academy sponsored 5-days Faculty Development Programme on "Emerging Trends in Sustainable Technologies" was organized by Department of Mechanical Engineering from September 7-11, 2020.
- National Level Faculty Development Program on “Design & Construction Practices of Bridges" was organized by Department of Civil Engineering from August 30 – September 3, 2021.

Programs conducted for implementation of National Education Policy

- Online talk on the New Education Policy was organized on November 25, 2020 for the benefit of all the faculty members. Dr. Balaveera Reddy, Chairperson, NIT, Karnataka and ex-Vice Chancellor of VTU, Karnataka was the resource person for the invited talk.

Grants Received by Department:

- The student club “AIREINO” of Aeronautical Engineering Department has received grant of Rs.1 Lakh from AICTE under Scheme for Promoting Interests, Creativity, and Ethics among Students (SPICES) on March 5, 2021.
- Project titled “Robust controller design of conical tank to improve the industrial wastewater treatment process” from faculty members of Electronics & Communication Engineering and Computer Science & Engineering departments received research grant of Rs. 3 Lacs from Vision Group on Science and Technology (VGST), Karnataka.

Intellectual Property Rights:

In the Academic Year 2020-21, total 5 patent applications have been filed by our faculty members and students, out of which two patents have been published and one patent has been granted. Following are the details of patent granted in this academic year:

Name of the Inventor from the Institution	Title of the Invention	Application No Date of Granted
Mr. Ranjith H D	NLP-Artificial Intelligence Based Automatic Detection of Infection Rate of Pandemic Diseases (Covid19)	Application No: 2020102643 Australian Patent Granted on: 11/11/2020