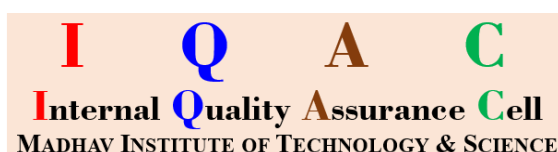


A
Report
On

Branch Wise Analysis of Enrolment in Open Courses
January – December 2021

REVIEWED BY
IQAC
(Vide Item No. 8)

On
December 23, 2021



Internal Quality Assurance Cell



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SUMMARY

The provision of offering ‘Open Courses’ (OC) was started since January-June 2020. The OCs are offered in traditional teaching mode (i) One course at the VI semester level and (ii) Two courses at the VII semester level

Analysis of enrolments in OC-1 in January-June 2021

- Courses of CSE are most popular with Mechanical, EE and, Elex students.
- Courses of Civil Engineering are most popular with IT, chemical & Automobile students.
- Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
- Courses of Electrical Engineering are most popular with students of CSE & IT.
- Courses of IT are most popular with students of Electronics, ET and Automobile Engineering
- Courses of Chemical Engineering are most popular with students of CSE, Civil, Mechanical and Electrical Engineering.

Analysis of enrolments in OC-2 in July-December 2021

- Courses of CSE are most popular with ET, Electronics and Civil students.
- Courses of Civil Engineering are most popular with CSE, Mechanical, chemical & Automobile students.
- Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
- Courses of Electrical Engineering are most popular with students of Automobile and Mechanical.
- Courses of Electronics Engineering are most popular with students of CSE, Civil, Electrical and IT.
- Courses of IT are most popular with students of EE, Electronics and ET.
- Courses of Chemical Engineering are popular with Mechanical students.

Analysis of enrolments in OC-3 in July-December 2021

- Courses of CSE are most popular with ET, Electronics and Chemical Engineering students.
- Courses of Civil Engineering are most popular with CSE, and Chemical students.
- Courses of Mechanical Engineering are most popular with Civil, IT and Electrical students.
- Courses of Electrical Engineering are most popular with students of Automobile and Mechanical.
- Courses of Electronics Engineering are most popular with students of CSE, Electrical and IT.
- Courses of IT are most popular with students of mechanical and Electronics and IT.
- Courses of Chemical Engineering are most popular with students of Automobile & IT.

Number of Open Courses offered during Jan-Dec 2021

Semester Duration	OC category	Courses Offered: OC-1	Courses Offered: OC-2	Courses Offered: OC-3	Semester
July-Dec 2021	OC-2 and OC-3	--	13	13	7 th semester
Jan-June 2021	OC-1	14	--	--	6 th Semester

ANALYSIS OF OPEN COURSE (OC-2) DISTRIBUTION 2017-18 ADMITTED BATCH

Courses Offered for OC-2 in July-Dec 2021 (7th Semester)

Offered by Department	List of Open Courses(OCs)	Faculty Mentor	Total Registrations
Electrical Engineering	Applications of Electrical Equipment and Motors	Dr. V. Bhuria	79
Electronics Engineering	Satellite Systems	Prof. Arpita Singhal	80
	Consumer Electronics	Prof. Madhav Singh	84
Mechanical Engineering	Industrial Automation	Prof. Neeraj Mishra	64
	Solar Energy	Dr. Ravikant Ranjan	84
Civil Engineering	Integrated Waste Management for Smart City	Prof. Aditya K. Agarwal	95
	Project Planning & Control	Dr. S. Tiwari	87
Computer Science & Engineering	Soft Computing	Prof. Jaimala Jha	80
	Network Security	Prof. Amit Manjhvar	80
Information Technology	Soft Computing	Prof. Rajeev Kumar Singh	60
	Network Security	Prof. Neha Bhardwaj	74
Chemical Engineering	Petroleum Processing Technology	Dr. Suneeta Kumari	79
Applied Science	Spectroscopic Techniques of Analysis	Dr. Anjula Gaur	00

Course-Wise % of Enrolled Students: Branch-Wise Choice for the OC-2
{7th Semester: July-Dec 2021}

Courses Offered by Departments

Course offered by →	Computer Science and Engineering	Civil Engineering	Mechanical Engineering	Electrical Engineering	Electronics Engineering	Information Technology	Chemical Engineering	Applied Science	Total Students
Computer Science and Engineering students	0.00 [#]	52.59 ^{\$}	9.63	5.19	26.67 ^{&}	0.00	5.93	0.00	135
Civil Engineering students	17.16	0.00 [#]	40.30	4.48	16.42	9.70	11.94	0.00	134
Mechanical Engineering students	13.48	28.37	0.00 [#]	13.48	7.09	16.31	20.57	0.00	140
Electrical Engineering students	16.78	2.80	18.18	0.00 [#]	36.36	21.68	4.20	0.00	143
Electronics Engineering students	39.69	15.27	12.21	3.82	0.00 [#]	26.72	2.29	0.00	131
Electronics & Telecomm. Engineering students	45.45	10.61	3.03	4.55	0.00 [#]	27.27	9.09	0.00	66
Automobile Engineering students	10.67	18.67	0.00	36.00	9.33	14.67	10.67	0.00	75
Information Technology students	0.00	25.00	25.00	9.38	35.94	0.00 [#]	4.69	0.00	64
Chemical Engineering students	6.90	17.24	36.21	10.34	24.14	5.17	0.00 [#]	0.00	58

Same discipline courses not permitted, hence registrations are shown as zero

Each Row shows the % of students of a certain discipline enrolled in the OCs offered by allied disciplines

^{\$} {Example: The highest 52.59% of CSE students have opted electives offered by the department of Civil Engineering}

[&] {Example: The second highest 26.67% of CSE students have opted electives offered by the Electronics Engineering Department}

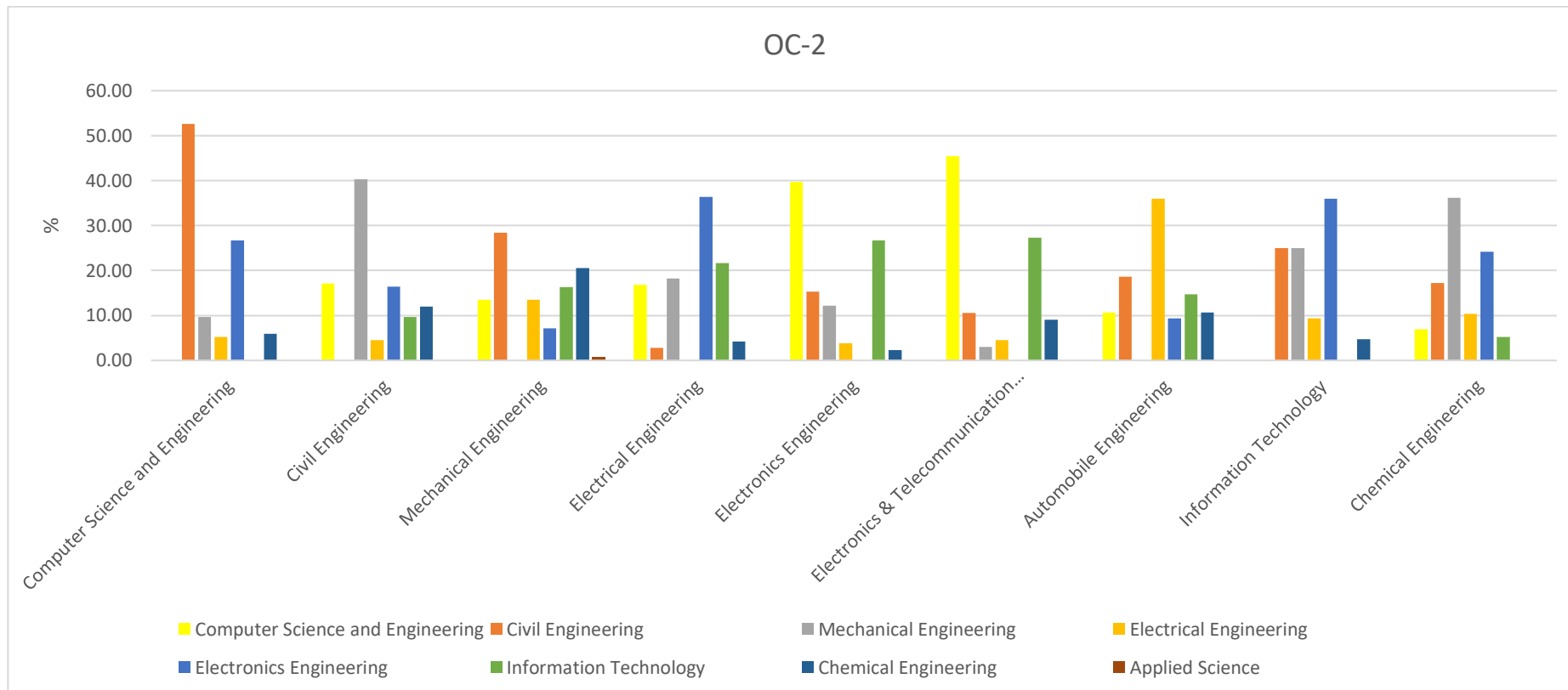
Blue color in each row indicates the highest enrollment and green color shows the second highest enrollment of students

Analysis of columns shows that

- Courses of CSE are most popular with ET, Elex and Civil students.
- Courses of Civil Engineering are most popular with CSE, Mechanical, chemical & Automobile students.
- Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
- Courses of Electrical Engineering are most popular with students of Automobile and Mechanical.

- Courses of Electronics Engineering are most popular with students of CSE, Civil, Electrical and IT.
- Courses of IT are most popular with students of EE, Elex and ET.
- Courses of Chemical Engineering are popular with Mechanical students.

Branch Wise Percentage Distribution of Students in Courses Offered by Allied Departments for OC-2
July-Dec 2021



ANALYSIS OF OPEN COURSE (OC-3) DISTRIBUTION 2017-18 ADMITTED BATCH

Courses Offered for OC-3 in July-Dec 2021 (7th Semester)

July-Dec 2021

Offered by	List of Open Courses(OCs)	Faculty Mentor	Total Registrations
Electrical Engineering	IoT in Microgrid	Prof. Bhavna Rathore	43
	Electrical Vehicles	Prof. Saurabh Ku. Rajput	81
Electronics Engineering	MEMS & Mechatronics	Dr. Ashish Gupta	32
	Multimedia Communication	Prof. Shambhu Kumar	73
Mechanical Engineering	Engineering Materials for Industrial Applications	Mr. Sarvesh Kumar Yadav	80
	Maintenance Engineering	Mr. Narendra Singh Sikarwar	80
Civil Engineering	Urban Planning & Transportation Systems	Dr. M. K. Trivedi	88
Computer Science & Engineering	R Programming	Prof. Arun Kumar	78
	Computer Networks	Prof. Khushboo Agarwal	76
Information Technology	R Programming	Prof. Abhishek Dixit	34
	Computer Networks	Prof. Vishwas Srivastava	78
Chemical Engineering	Industrial Safety & Hazard Analysis	Dr. Shourabh singh Raghuwanshi	85
Applied Science	Laser Technology	Dr. Abhay Mishra	119

Course-Wise % of Enrolled Students: Branch-Wise Choice for the OC-3 July-Dec 2021

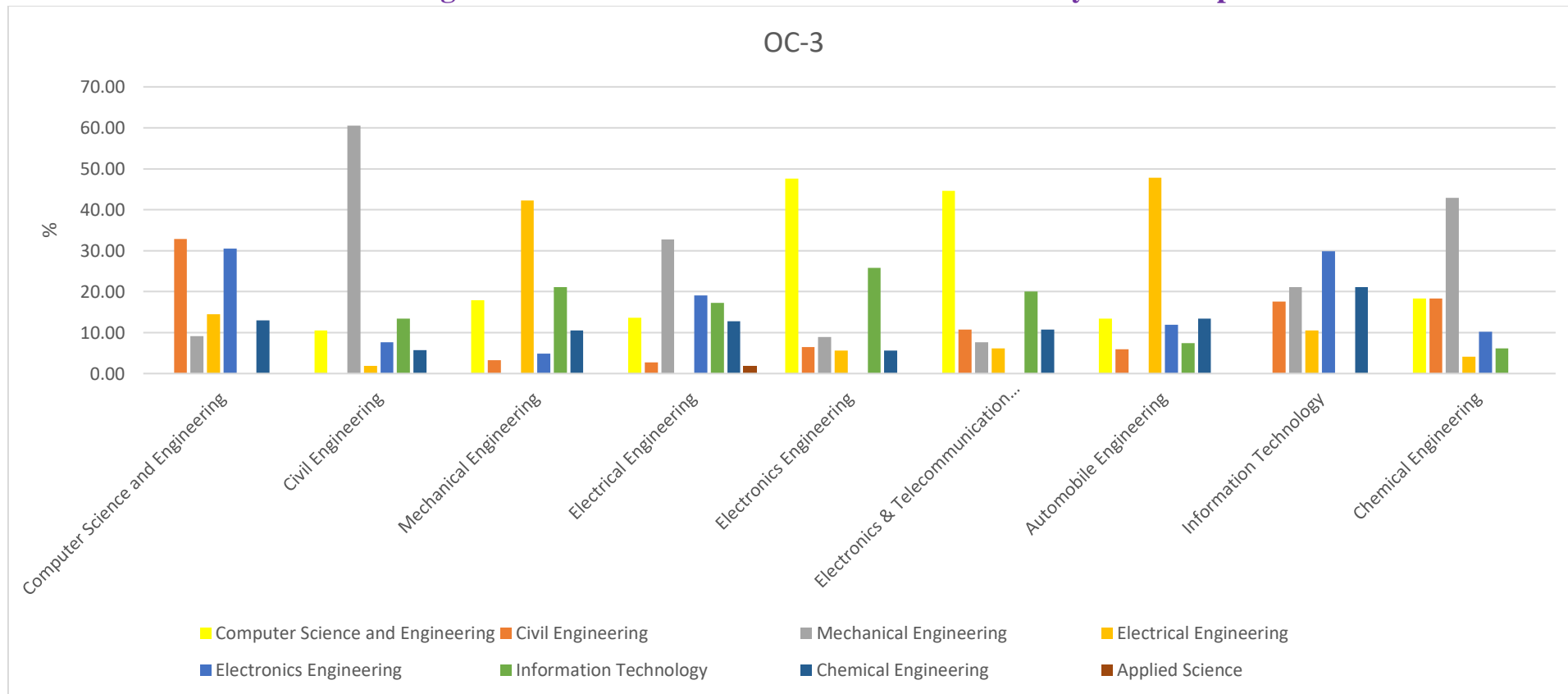
	Computer Science and Engineering	Civil Engineering	Mechanical Engineering	Electrical Engineering	Electronics Engineering	Information Technology	Chemical Engineering	Applied Science	Total Students
Computer Science and Engineering students	0.00	31.39	8.76	13.87	29.20	0.00	12.98	4.38	137
Civil Engineering students	8.09	0.00	46.32	1.47	5.88	10.29	4.41	23.53	136
Mechanical Engineering students	15.71	2.86	0.00	37.14	4.29	18.57	9.29	12.14	140
Electrical Engineering students	10.95	2.19	26.28	0.00	15.33	13.87	10.22	21.17	137
Electronics Engineering	45.74	6.20	8.53	5.43	0.00	24.81	5.43	3.88	129
Electronics & Telecom. Engineering students	43.94	10.61	7.58	6.06	0.00	19.70	10.61	1.52	66
Automobile Engineering students	12.16	5.41	0.00	43.24	10.81	6.76	12.16	9.46	74
Information Technology students	0.00	14.49	17.39	8.70	24.64	0.00	17.39	17.39	69
Chemical Engineering students	15.25	15.25	35.59	3.39	8.47	5.08	0.00	16.95	59

Analysis of columns shows that

- Courses of CSE are most popular with ET, Elex and Chemical Engineering students.
- Courses of Civil Engineering are most popular with CSE, and Chemical students.
- Courses of Mechanical Engineering are most popular with Civil, IT and Electrical students.

- **Courses of Electrical Engineering are most popular with students of Automobile and Mechanical.**
- **Courses of Electronics Engineering are most popular with students of CSE, Electrical and IT.**
- **Courses of IT are most popular with students of mechanical and Elex and IT Engineering.**
- **Courses of Chemical Engineering are most popular with students of Automobile & IT**

Branch Wise Percentage Distribution of Students in Courses Offered by Allied Departments for OC-3



ANALYSIS OF OPEN COURSE (OC-1) DISTRIBUTION 2017-18 ADMITTED BATCH

Courses Offered for OC-1 in July-Dec 2021 (6th Semester)

Jan-June 2021

S.No.	Subject Name	Offered by Department	Faculty Mentor	Total Registrations
1	Intelligent Control	Electronics Engineering	Mr. Deepak Batham	31
2	Embedded System		Dr Vikas Mahor	30
3	Energy Conservation & Management	Electrical Engineering	Dr. Hemlata Shakya	96
4	Biomedical Instrumentation		Dr. A.K. Wadhvani	22
5	Data Structures	Computer Science & Engineering	Mr. Sheo Kumar	82
6	Python Programming		Mr. Arun Kumar	91
7	Software Engineering	Information Technology	Mr. R. K. Singh	85
8	Data Mining & Warehousing		Dr. Akhilesh Tiwari	62
9	Numerical Methods in Engineering	Civil Engineering	Dr. Pankaj Kumar	33
10	Maintenance Management		Prof. A. K. Saxena	80
11	Robotics	Mechanical Engineering	Mr. Neeraj Mishra	32
12	Product Design		Mr. Puneet Nema	74
13	Fuels and Combustion	Chemical Engineering	Dr. R.K Dubey	81
14	Nano Technology		Dr. A.N.Sarve	85

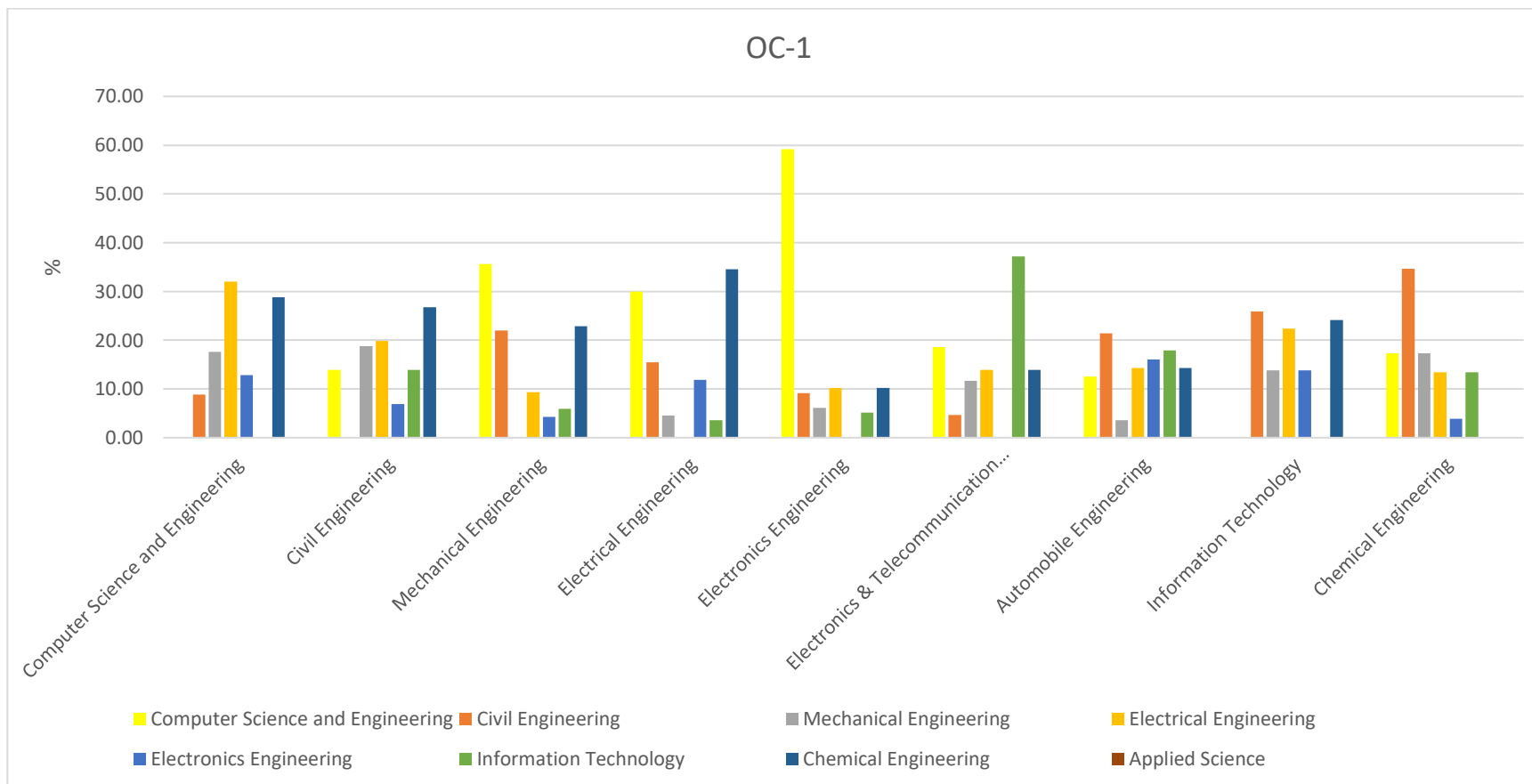
Course-Wise % of Enrolled Students: Branch-Wise Choice for the OC-1
Jan-June 2021: 6th Semester

	Computer Science and Engineering	Civil Engineering	Mechanical Engineering	Electrical Engineering	Electronics Engineering	Information Technology	Chemical Engineering	Total Students
Computer Science and Engineering students	0.00	8.66	19.69	31.50	12.60	0.00	27.56	127
Civil Engineering students	11.38	0.00	24.39	17.07	5.69	18.70	22.76	123
Mechanical Engineering students	31.85	20.00	0.00	8.15	4.44	15.56	20.00	135
Electrical Engineering students	24.09	12.41	7.30	0.00	9.49	17.52	29.20	137
Electronics Engineering	48.36	8.20	8.20	8.20	0.00	17.21	9.84	122
Electronics & Telecom. Engineering students	12.90	3.23	11.29	9.68	0.00	48.39	14.52	62
Automobile Engineering students	12.28	21.05	0.00	15.79	15.79	33.33	1.75	57
Information Technology students	0.00	25.00	20.31	20.31	12.50	0.00	21.88	64
Chemical Engineering students	15.79	31.58	19.30	14.04	3.51	15.79	0.00	57

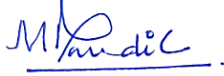
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- Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
- Courses of Electrical Engineering are most popular with students of CSE & IT.
- Courses of IT are most popular with students of Elex, ET and Automobile Engineering
- Courses of Chemical Engineering are most popular with students of CSE, Civil, Mechanical and Electrical Engineering.

Branch Wise Percentage Distribution of Students in Courses Offered by Allied Departments for OC-1 Jan-June 2021: 6th Semester



Compiled By: Dean Academics Office



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