

SUPPORTING DOCUMENT FOR 1.1.1

The institution ensures effective curriculum delivery through a well planned and documented process



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University Academic Calendars

Office of Dean (Academics)



ਆਈ. ਕੇ. ਗੁਜਰਾਲ. ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ Estd. Under Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997)

Dated 25/16/2023

Ref. No. IKGPTU/DA/ 2196

NOTICE

Subject: Regarding Amendment in the Academic Calendar for Session 2023-24.

In reference to letter issued by the AICTE, New Delhi vide Ref. No. F.No.: ADV/RB/Academic Calendar/2023-24 dated 17-10-2023 regarding the extension of last date of admission for session 2023-24 upto 30-10-2023 (copy enclosed), the following amendments have been made in the Academic Calendar for session 2023-24 issued by the University vide Ref. No. IKGPTU/DA/1722 dated 26-06-2023 (copy enclosed):-

- 1. The End Semester Examinations for 1st Semester & 3rd Semester will commence from 8th December, 2023 for all UG/PG Courses. Rest of the Academic Calendar issued vide No. IKGPTU/DA/1722 dated 26-06-2023 will remain the same.
- 2. For 1st and 3rd semesters, the number of days falling short of 90 (100 for Pharmacy Courses) should be compensated by engaging classes till 01-12-2023. Further extra classes may be engaged wherever needed by making Saturdays / Sundays or other holidays working.

This notice has been issued with the approval of Hon'ble Vice Chancellor vide E-office File No. I/395/2023-ACAD (Computer No. 98864).

Prof. (Dr.) Vikas Chawla Dean Academics

Copy to :-

- 1. Secretary to Vice Chancellor –for the kind information of Hon'ble Vice Chancellor
- 2. Registrar
- 3. Director/Principal- all affiliated/autonomous colleges & Campuses of IKGPTU, Kapurthala
- 4. Controller of Examination, IKGPTU, Kapurthala
- 5. Dy. Registrar (Academics)
- 6. Incharge (ITS)- Kindly upload this notice on University Website
- 7. File

"Propelling Punjab to a Prosperous Knowledge Society"

I. K. Gujral Punjab Technical University

Jalandhar-Kapurthala Highway, Kapurthala-144 603, Punjab (INDIA) Phone : +91-1822-282562 **Email :** deanacad@ptu.ac.in **Website** : www.ptu.ac.in



प्रो. राजीव कुमार सदस्य राविव Prof. Rajive Kumar Member Secretary



सत्यमेव जयते

आज़ादी क अगृत महोत्सव अखिल भारतीय तकनीकी शिक्षा परिषद् (भारत सरकार का एक सांविधिक निकाय) रिक्षा मंत्रालय, भारत सरकार नेस्सन मंद्रेला बार्य, दसंत कुन्न, नई दिल्सी-110070 दूरपत्र : 011-29581399 ई-मेल : ms@aicte-india.org

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A STATUTORY BODY OF THE GOVT. OF INDIA) Ministry of Education, Govt. of India Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Phone: 011-29581399 E-mail ; ms@aicte-india.org

F. No.: ADV/RB/Academic Calendar/2023-24

Dated:17-10-2023

To,

All the Vice Chancellors of Affiliating Universities/Directorate of Technical Education (DTE) of all State Govt/UTs

Sub: - Revised Academic Calendar 2023-24 as approved by Hon'ble Supreme Court.

Dear Sir/Madam,

In compliance of Hon'ble Supreme Court order dated 13.10.2023, AICTE has revised the academic calendar for the year 2023-24 for admissions up to 30th October 2023 and same is notified on Council website www.aicte-india.org (Announcements).

AICTE has also given approval to some of the institutions for running/offering program/course(s) at Diploma, Degree and Post graduate level for Working Professionals in flexible timings / mode. List of the approved institutions (excluding PGDM/PGCM institutions) offering such program/course(s) is available on AICTE website www.aicte-india.org.

In light of the above, it is requested that necessary directions may be issued to all the Institutions/Colleges under your administrative control to follow the revised Academic Calendar 2023-24 (Copy Enclosed) and regarding admissions of working professionals in the AICTE approved institutions during current academic year 2023-24 preferably before 30th October, 2023.

Regards,

(Prof. Rajive Kumar) Member Secretary

Copy to:

- 1. PS to Chairman/Vice-Chairman/Member Secretary
- 2. Adviser-II, E-gov for necessary action
- 3. Office Copy

Office of Dean (Academics)



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ Estd. Under Punjab Technical University Act, 1996 (Punjab Act No.1 of 1997)

Dated 2662023

Ref. No. 1KG PTUDA/1722 Revised Academic Calendar for Session 2023-24

In accordance with the letter being issued by AICTE, New Delhi (vide letter No.AICTE/Adv./RB/Academic Calendar/23-24 dated 25.05.2023, copy enclosed), regarding the commencement of the Academic Session for the 2023-24 Batch, the Revised Academic Calendar for All Batches is as under:

		Id Semester Period
Sr. No.	Description	
1.	Commencement of Session	1st August 2023
2.	Orientation Program for 2023 Batch#	1st August 2023 to 31st August 2023
3.	First Mid Semester Examination	11th September 2023 to 15th September 2023
4.	Second Mid Semester Examination	30th October 2023 to 3rd November 2023
5.	Preparatory Holidays	6 th November 2023 to 12 th November 2023
6.	End Semester Examination*	13 th November 2023 onwards
7.	Winter Vacations**	25th December 2023 to 1st January 2024
# First 14	Days Full day and there after along with	n classes.
* End Sen	nester Practical Examination will be not eted before last date of theory examinat Il be applicable for faculty and students	ified separately by the Examination Branch of the University (10 ion).

Sr. No.	Description	Period
1.1	Commencement of Session	2 nd January 2024
2.	First Mid Semester Examination	19th February 2024 to 24th February 2024
3.	Second Mid Semester Examination	8th April 2024 to 12th April 2024
4.	Preparatory Holidays	18th April 2024 to 22nd April 2024
5.	End Semester Examination*	23 rd April 2024 onwards
6.	Summer Vacations#	1 st June 2024 to 13 th July 2024 ducted will be notified separately by the Examination Branch o

Note: - End Semester Summer Training from 1st June 2024 to 13th July 2024

The Principal / Director of concerned Institute / Campus / College shall manage the vacation schedule for the Faculty and Students as per their requirement.

a) Next Academic Session 2024-2025 shall commence from 15th July 2024.

b) The number of days falling short of 90 (100 for Pharmacy Courses) should be compensated by making Saturdays or other holidays working by the institutions.

Prof. (Dr.) Vikas Chawla Dean (Academics) "Propelling Punjab to a Prosperous Knowledge Society"

I. K. Gujral Punjab Technical University

Jalandhar-Kapurthala Highway, Kapurthala -144 603 Ph.: 01822-282562 Email : deanacad@ptu.ac.in Website : www.ptu.ac.in





प्रो. राजीव कुमार सदस्य सचिव Prof. Rajive Kumar Member Secretary



अखिल भारतीय तकनीकी शिक्षा परिषद् (भारत सरकार का एक सांविधिक निकाय) शिक्षा मंत्रालय, भारत सरकार नेल्सन मंढेला मार्ग, वसंव कुज. नई दिल्ली-110070 दूरमात्र : 011-29581399

ई-मेल : ms@aicte-india.org

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A STATUTORY BODY OF THE GOVT. OF INDIA) Ministry of Education, Govt. of India Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Phone : 011-29581399 E-mail : ms@algte-India.org

No. AICTE/Adv/RB/Academic Calendar /23-24

80

Dated: 25.05.2023

To,

3

All Vice Chancellor's (Technical and Deemed to be- Universities / Director's (Technical Education) / Director's (Stand-alone) Institutions

Subject: - Academic Calendar issued by AICTE for the Academic Year 2023- 24-reg.

Sir/Madam,

AICTE issued the Academic Calendar for the academic year 2023-24 for Technical Institutions and for PGDM/PGCM Institutions in which the last date of admission is 15.09.2023.

Here, it is clarified that this is the last date of admission and State – Governments / Institutions can finish the admission process even before this date.

Also, for granting/ refusing AICTE Approval to its institutions (new/ old), the date is 10.06.2023. Hence, Institutions/ State Governments / Deemed to be – Universities are recommended to finish their admission process latest by 31.07.2023, so that classes can be started from 01.08.2023.

The CBSE & State Boards have already announced 12th results and JEE/ NEET exams have already been conducted.

In view of the above, early admission by the state Government and Institutions, will further help in streamlining the academic year 2023-24.

Further, all the State Governments/Institutions are also requested to transparently display their last date of admission on their website/ newspaper to bring it to the notice of all stakeholders.

Mms

(PROF. RAJIVE KUMAR)

Office of Dean (Academics)



Estd. Under Punjab Technical University Act, 1996 (Punjab Act No.1 of 1997)

Ref. No. 1KGPTU/DA/1122

Dated_11/05/2023

Academic Calendar for 2023 Batches (Including LEET students admitted in 2023) For the Session 2023-24

	Odd Ser	nester
Sr. No.	Description	Period
1.	Orientation Program #	September 2023 (4th to 30th)
2.	Commencement of Session	September 18 th , 2023
3.	First Mid Semester Examination	November 2023 (6 th to 10 th)
4.	Second Mid Semester Examination	December 2023 (18 th to 22 nd)
5.	Preparatory Holidays	December 2023 (25 th) to January 2024 (1 st)
6.	End Semester Examination *	January 2024 (2 nd to 15 th)
7.	Winter Vacations **	January 2024 (16th to 21st)

** Winter vacation will be only for students.

Sr. No.DescriptionPeriod1.Commencement of SessionJanuary 2024(22nd)2.First Mid Semester ExaminationFebruary, 2024 (26th) to	
2. First Mid Semester Examination February, 2024 (26th) to	
2. First Mid Semester Examination February, 2024 (26th) to	
	March (2nd)
3. Second Mid Semester Examination April, 2024 (15th to 20th)	(-)
4. Preparatory Holidays May, 2024 (15th to 21st)	
5. End Semester Examination * May, 2024 (22 nd) to June,	2024(8th)
6. Summer Vacations ** June, 2024 (9th) to July, 2 * End Semester Practical Examination will be conducted will be notified set	$)24(13^{th})$

Note: - End Semester Summer Training will be from 1st June, 2024 to 13th July, 2024

Orientation program-

4th September, 2023 - 17 September, 2023 Full Day 18th September 2023 - 30 September, 2023 (Alongwith classes)

Contd.....2

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Office of Dean (Academics)



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ Estd. Under Punjab Technical University Act, 1996 (Punjab Act No.1 of 1997)

Ref. No. 1KGPTU DA1122

10/05/2023 Dated

-2-

****** The Principal / Director of concerned institute /Campus /College shall manage the vacations schedule for the Faculty and Students as per their requirements.

- 1. Next Academic Session 2023-2024 shall commence from 17.07.2024.
- The Academic session for students of LEET 2022 batch will start after the examinations for their 4th semester (April / May session 2023-2024). The colleges / institutions will provide extra classes to the students, so that their syllabus be covered and henceforth their classes will be functioning along with 2022 Batch (Regular Students).
- 3. All the Institute may follow a 6-day week pattern for the academic session 2023-24 and 2024-2025 to compensate the loss for this batch of students, if required.
- 4. The number of days falling short of 90 (100 for Pharmacy Courses) should be compensated by making Saturdays or other holidays working by the institutions.

Prof.(Dr.)Vikas Chawla Dean (Academics)

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College Academic Calendars



Khalsa College of Engineering & Technology ਖ਼ਾਲਸਾ ਕਾਲਜ ਆਫ਼ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨੋਲੋਜੀ



(Approved by AICTE, New Delhi & Affiliated to IKG Punjab Technical University, Jalandhar(Govt. of Punjab)] Accredited by NAAC Grade "A"

Academic Calendar Academic Year 2023-2024

S.No.		Period	Duration
1	Commencement of Even Semester	8Jan 20.	
2	I Spell of Instructions	8 Jan 2024 to 20Feb 2024	6 weeks, 2 day
3	I Mid Semester Test	21Feb 2024 to 23Feb 2024	3 days
4	II Spell of Instructions	26Feb 2024to 9Apr 2024	6 weeks, 2 days
5	II Mid Semester Test	10Apr 2024 to 12Apr 2024	3 days
6	Preparation/Internal Practical Exam	15Apr 2024 to 19Apr 2024	5 days
7	End Semester Examinations	23 Apr 2024 to 31 May 2024	6 weeks
	Activities at the College le	vel for Session (Jan-May 202	4)
S. No	Activity Title	e	Dates
1	CATC Camp by NCC Cell		15 Jan - 25 Jan 2024
2	National Startup Day		23rd January 2024
3	Celebration of Republic Day by NCC/NSS	Cell	24 Jan 2024
4	7th Khalsa College International Folk Fes	tival	2 February 2024
5	Seminar on Banking Exam Preparation b	y T&P Cell	6 Feb 2024
6	Organizing Innovation & Entrepreneursh Schools/Community by IIC Cell		12-Feb-2024
7	Seminar on GATE Exam Preparation by T	'&P Cell	27 Feb 2024
8	National Science Day by ISTE/IIC Cell		28 February 2024
1000	Organize an Inter/Intra Institutional Innovat Hackathon and Reward Best Innovations by	ion competition / Challenge/ IIC Cell	5 March 2024
10	Sports Meets by Sports Cell		7 March 2024
1	International Women Day by woman Cell		08-Mar-24
2 1	Alumni Meet by Alumni Cell		21 March 2024
	Гесh Urja		
4 I	nternational conference		20-21March 2024
5 S	ession on "How to plan for Start-up and	legal & Ethical Stens" by	28-29 March 2024
	IC Cell	o	30 March 2024
6 K	argil Vijay Diwas by NCC Cell		2611 000
7 C	ricket Tournament by Sports Cell	1	26 July 2024
8 V	olleyball Tournament by Sports Cell		5-6 April 2024
9 V	Vorkshop on Intellectual Property Rights	(IPPc) and ID	5-6 April 2024
n	nanagement for start-upby IIC Cell	(it is) and IP	2 April 2024

Dean Academics

Director

Khalsa College of Engineering & Technology ਖ਼ਾਲਸਾ ਕਾਲਜ ਆਫ਼ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨੋਲੋਜੀ



Approved by AICTE, New Delhi & Affiliated to IKG Punjab Technical University, Jalondhar(Govt, of Pampab); Accredited by NAAC Grade "A"

Academic Calendar Academic Year 2023-2024

and the second	Period	Duration
		3
Commencement of odd Semester	1 Aug 2023 to 12 Sept 2023	6 weeks, 1 day
I Spell of Instructions	13 Sept 2023 to 15 Aug 2023	3 days
I Mid Semester Test	18 Sept 2023 to 31 Oct 2023	6 weeks, 2 days
Il Spell of Instructions	1 Nov 2023 to 3 Nov 2023	3 days
II Mid Semester Test	6 Nov 2023 to 10 Nov 2023	5 days
Preparation/Internal Fractical Examinations	13 Nov 2023 to 22 Dec 2023	6 weeks
End Semester Examinations	2 Jan 202	24
Activities at the College le	vel for Session (July- Dec 2023	3)
Activities at the contege to	e	Dates
Tree Plantation Drive	by NSS Cell	13 July 2023
Heer Hantadon Brite	unkruptcy) by HV cell	25 July 2023
Tree Plantation Drive	by NSS Cell	4 Aug 2023
Tanz Calabration by C	ultural Cell	4 Aug 2023
International Youth Day	by NCC Cell	11 August 2023
Independence Day b	VNCC Cell	15 Aug 2023
		18 Aug 2023
Can ash Chaturthi by C	ultural Cell	12 Sept 2023
Tree Plantation Drive	by NSS Cell	29 Sept 2023
The Flattation Drive	plence by HV Cell	29 Sept 2023
International Day of Non-Vit	NSS Coll	1 Oct 2023
Cleaniness Drive by	Frivartava by ISTE	3 Oct 2023
		6 Oct 2023
		9 Oct 2023
		11 Oct 2023
		11 Oct 2023
		15 Oct 2023
		17 Oct 2023
		25-27 Oct 2023
		31 Oct & 1 Nov 2023
National Unity Day by N	CC Cell & ISTE	31 Oct 2023
Entrepreneurship	Day by IIC Cell	9 Nov 2023
Automal Education Da	y by IIC Cell	11 Nov 2023
		2 Dec 2023
		14 Dec 2023
	Event Commencement of odd Semester I Spell of Instructions I Mid Semester Test II Spell of Instructions II Mid Semester Test Preparation/Internal Practical Exam End Semester Examinations Commencement of Even semester Activities at the College leg Activities at the College leg National Online Quiz (Insolvency and Ba Tree Plantation Drive National Online Quiz (Insolvency and Ba Tree Plantation Drive National Online Quiz (Insolvency and Ba Tree Plantation Drive National Online Quiz (Insolvency and Ba Tree Plantation Drive Teez Celebration by C International Youth Day Independence Day by Ganesh Chaturthi by C Tree Plantation Drive International Day of Non-Via Cleanliness Drive by Guest Lecture by Dr. Kailash S Ardass Diwas by Cul Indian Air force Day b Blood Donation Camp Amrit Kalash Yatra b Institute Innovation Da Fresher Party by Cul	Event1 Aug 202Commencement of odd Semester1 Aug 2023 to 12 Sept 2023I Spell of Instructions1 Aug 2023 to 12 Sept 2023I Mid Semester Test13 Sept 2023 to 15 Aug 2023II Spell of Instructions18 Sept 2023 to 31 Oct 2023II Mid Semester Test1 Nov 2023 to 3 Nov 2023II Mid Semester Test1 Nov 2023 to 10 Nov 2023Preparation/Internal Practical Exam6 Nov 2023 to 10 Nov 2023End Semester Examinations13 Nov 2023 to 22 Dec 2023

Dean Academics

Director

-		A CONTRACTOR	T	E		De	partment of Computer Sci	ience	2 & E	ngine	ering -	Technical University. Ja C Grade "A" Academic Planner for odd Sem	este	(Arr	2023	Nov 7	023)		
Aug-23	Day		Day Order	Working Dan	Sep-23	Day	Details	Day Order	orking Dam	06-33	Day	Details			1	Hay	Details	y Order	Working Days
1	Tu	Commerce of Cashes	1	1	1	Eni		_	3			1						Day	Wor
2	We	and the second s	11	2	2	Sat	Holiday	1	1	1	Sin	Holiday			1 V	Ved	MST-II	1	1
3 4	Th		m		3	Sun	Holiday			2	Mon	Gandhi jayanti	1	-		Thu	MST-II	11	2
5	Fr	and the second se	IV	4	4	Mon	Thomasy	1	2	3	Tue			1	3	Fri	MST-II		3
6		1 TOTOS	-	-	5	Tue	Teachers Day Celebration		3	4	Wed		-			Sat	Holiday		-
			-	-	6	Wed		IM	4	6	Fri					Sun	Holiday		
7 8	Mo		1	5	7	Thu		IV	5	7	- 141	Holiday					Result Analysis Report after MST-2 Letter to perents /Syllabus resistor		
9	We		1	-	8	Fri	Departmental Meeting	v	6	8	3.0	Holiday	+	-	8	Wed			
10		and the second sec	III IV		9	-	Holiday	1		9	Mon		1	5	9	Thu	Preparatory Holidays Preparatory Holidays		-
11	Fri	Guest Lecture	10000	1000	-		Holiday			10	Tue			6	10	Fri	Preparatory Holidays		-
12	- m	and the second se	v	9	11	Mon	MST-I	T	7	11	Wed	Industrial Visit	M.	7	11	Sat	Holiday		
12		Holiday	-	-	12	Tue	MST-I	н	-	12	Thu		IV	8	12	Sun	Diwali/Holiday		-
14	Mon	Honday	1	10	13	Wed	MST-I MST-I	-	9	13	Fri	International E Waste Day	V	9	13	Mon	Govardhan Puja		
5	Tue	State of the second second second	-	10	15	Fri	Engineers Day	IV V	10	14	1. 200	Holiday	-	-	14	Tue	End Sem Examination		
6	Wed		1	11	16	1	Holiday	v	11	15	Mon	Holiday	-	10	15	Wed			
7	Thu		111		17	1 Sector	Holiday	-	-	17	Tue	Technical Quiz	8	10	16	Thu Fri	10.505	+ +	-
8	Fri		IV	13	18	Mon		1	12	18	Wed		111	12	18	Sut	Holiday	1	-
2		Holiday			19	Tue	Technical Seminar	11	13	19	Thu		īV	13	19	Sun	Holiday		
)	Stat	Holiday		-	20	Wed		18	14	20	Fri	Departmental Meeting	V	14	20	Mon		-	-
	Mon	Laine The Sea	1	14	21	Thu	Result Analysis Report after MST-1	24	15	21		Holiday			21	Tue	Contraction of the	1	1
	Tue	State of the second states	11	15	22	Fri	Virtual Parent Monting	V	16		Ser.	Holiday	1	15	22	Wed		-	+
	Wed	Workshop	111	16	23	Sec. 1	Holiday	-	-	23	Mon	Virtual Parent Meeting	-	1 13	24	Fri		1	+
	Thu	Workshop	N	17	24	NUM	Holiday	-	-	-		The second second second second		1		1	0.54	1	1
	Fri	Workshop	v	18	25	Mon	Sector Builder Sectorist	1	17	25	Wed	Descent field (eds Polt disrety)		16	25	Sat	Holiday Holiday	+	+
5	Sat	Holiday			26	Tue	Sector in sectors	11	18	26		Distribution of Add on Course Certificate		17	26	-		+	+
,	Sun	Holiday			27	Wed	SDP SDP	III IV	-	100	1.00	Holiday	-	18	28	Tue		-	+
	Mon		1	19	28	Thu	SOP	v		-		Holiday		-	29		and a second	-+	-
	Tue		11	20	29	Fri	Holiday	-	1	30				-	30) Thi	-	-	-
	Ned	Raisha Benchati			30	1.000	eronael.			31	Tue	MST-II	-	1		-			
T	Thu		曲	21					25				1			-			

**

	-	and the second second	_				Accred	itee	d by	y NA	AC	Chaical University. J Grade "A"							
Aug-23	Day	Detalls	Day Order	Working Days	De	Day	nent of Civil Engineering Details	- Aci	Working Days	n plan	Day	odd Semester (Aug 2023- Details	Day Order	Working Days	EZ-MON	Day	Details	Day Order	Working Days
1	Tue	Commencement of Classes	1	100	1	Fri	Industrial Viete	I	-		Sun	Holiday	-		1		Mid Semester-II Mid Semester-II	-	1
2	Wed		u	2			Holiday				Mon	Holiday (Mahatma Gandhi Birthday)							
3	Thu			3			Holiday				Tue		1	1	3	Fn	Mid Semester-II Holiday	-	3
4	Fn	Departmental Meeting	IV	4	4		Teachers Day Celebration	1	2	4	Wed		m	2	4	540	Holiday		
		Holiday Holiday	-			Wed			4	6	Fn		IV	4			Syllabus Revision		
	Mon			5		Thu		IV	5	7.00	Sul	Hotiday		-	7	The	University Question Paper Preparatory Holidays	1.1.1.1	-
	Tue			6		Pri	Departmental Mortleg	v	6	9	Mon	Holiday Technical Seminar/ Workshops	T	5	9	Thu	Preparatory Holidays		
	Wed			7			Holiday Holiday	-		10	Tue			6	10	Fri	Preparatory Holidays		
	Fo		V	4	11	Mon	Mid Semester Exam-1	-	7	11	Wed		III IV	7	11	- 741	Holiday Holiday(Diwali)	-	-
		Holiday	-				Mid Semester Exam-I Mid Semester Exam-I	-	8	12	Thu	Departmental Meeting		9	11	Mon	Gevariban Puja		
	Mon	Holiday	-	10			Mid Semester Exam-t	1	10	54	34	Holiday				Tue			
		(Independence Day)		10		Pri		п		35	Sa	Holiday	1	16	15	Wed			1
	Wed	In the second second		11			Holiday Holiday	-	-	16	Mon		n			Fri			
	Thu Fri	None of the other	III	12	18		Homay	1	12	16	Wed	Workshop	111	12	18	Sat	Holiday		+
		Holiday		-	19	Tue	to the second second second	u	13	19	Thu	Workshop	IV.		19	Mon	Holiday		+
		Holiday	1		20	Wed	Result Analysis Report after MST-1	m	14	20	Fn	Workshop	V	14	1				
	Mon	Contraction of the local division of the loc	1	14			Virtual Pareni Meeting		15		Sat	Holiday	+	-	21	Tue Wed		-	
1	Tue	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		15	22	Fri		v	16		Mon	Holiday	1	15		Thu			
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5	Fri I	Technical Seminer Departmental Meeting	V	18	25	Mon	Travision Tradition & Arma	1	17	25	Wed	Virtual Parent Meeting	п	16	25	Sat	1.16.92		
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3	Er.Ravinder Kaur	EYS-101-18	BTCE-404-18	4519		BTCE-407-18	5519	Fan
4	Er. Akarshan Uppal	BTCE-403-12	PECE-603B-	4515		6515		Abe
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6	Er. Gurvinder Singh	4518	BTCE-402-18	51896	BTMC-101-18	6518	5191	-gity.

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Head Deptt. of Civil Engg. Khalsa College of Engg. & Tech. Amritsar



(REALL)	🖋 ਖ਼ਾਲਸ	ਾ ਕਾਲਜ	न आड Delhi & Affilia	रिंसी ited to IKG Pa	ਨੀਅਰਿੰ	ਗਿ ਐਂਡ I University, Jala	echnol ਟੈਕਨੋਨੋ ndbar(Govil of P	डेनी
-		1	DEPARTME	NT OF MECH	ANICAL ENG	INEERING		Thursday Net
C	HOICE OPTION FORM	OF COURSE F	OR ACADEN	IC YEAR 20	23-2024 (01	D SEMESTER	, SESSION: Aug	2023- Nov 2023)
S. No	Faculty Name		Cours	e Option y course code		Lab	Option y Lab Code)	Signature
1.	Dr. Sandeep Devgan	1 GTME-602- 18	2 BrmP-1el- 18	3	4	ISTME bet-	BTMP-Id-18	By
2.	Dr. Jugraj Singh	BTME Ses-				BTME Sob-	- Chender	787
3.	Dr. Amit Mahajan	BTIME VOD-	2493	-	_	3493	1.271	Ant
4.	Dr. Sandeep Singh Sunny	BTME SOL-	2093	4853	-	Brm e 614-18 3093	5853	Dell
5.	Dr. Atul Agnihotri	BTMS 601-	BTPE BY-18	9.58.5	-	BIMEtes	9510	R
6.	Er Singh	BTMCHOLIS	BAREbourte	52.553		1370 6 401 8 9253	Bon PD 401-18	Janter &
7.	Er. Gurcharan Singh	OT ME (01-2)	9453	_	_	9357	9529	Con
8.	Er. Navin Kumar	BIMEHOZA	-	-	-	BIMEWERS	9342	HANNER
9.	Er. Singh	-	-	_	-	9357	9529	the
10.	Er. Vinod Mahajan	BTME 443-18	BIND P-101-18	1		0700P-101-15		W

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Khalsa College of Engineering & Technology ਖ਼ਾਲਸਾ ਕਾਲਜ ਆਫ਼ ਇੰਜੀਨੀਅਰਿੰਗ ਐੱਡ ਟੈਕਨੋਲੋਜੀ Approved by AICTE. New Delhi & Alfifated to UKG Punjab Technical University, Jatanethare(Gart. of Punjab) Accredited by NAAC Grade "A"



Work

Load

(Session Jan.2024-May 2024)



DEPARTMENT OF MECHANICAL ENGINEERING

WORKLOAD ALLOCATION FOR ACADEMIC YEAR 2023-2024 (EVEN SEMESTER Jan 2024 - April 2024)

UR. SAN	DEEP DEVGAN (Assoc. P	ionesson]		The	ory/	Lab	Theory	Lab	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	10445 115 4
	3 nd / 6 th	BTME-602-18	Mechanical Measurements and Metrology	4	0	0			
1.	3 rd / 6 th	BTME-606-18	Mechanical Measurements and Metrology Lab	0	0	2		10	
	1 st / 2 nd	BTMP-101-18	Workshop / Manufacturing Practices (B. Tech. App. Sci. Chemistry Group- G1)	1	0	0	5		15
	1 st / 2 ^{sd}	BTMP-101-18	Workshop / Manufacturing Practices (B. Tech. App. Sci. Chemistry Group-G1)	0	0	8			

2. DR. JUGRAJ SINGH (Assoc. Professor)

	1			10	eory/	Lao	Theory	Lao	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	т	P	Hours	Hours	Total floars
	3RD / 6TH	BTME503-18	Automobile Engineering	3	0	0	3	2	5
2.		BTME506-18	Automobile Engineering Lab	0	0	2			
	3RD/6TH	B1141.300 10							

3. DR. SA	NDEEP SINGH (Assoc. Prof	casoil		Theory/Lab				Lab	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
	2 nd /4 th	BTME-502-18	Materials Engineering	3	0	0	11	16	17
3.	2nd /4th	BTME614-18	Materials Engineering Lab	0	0	2		10	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1

	STATISTICS IN STATISTICS					
	1	•				
2 ⁴ /4 ⁸	2093	Strength of Materials (Diploma-ME- 4 TM)	4	0	0	The second
2 nd /4 th	3093	Strength of Materials (Diploma-ME- 478)	No.		2	
2ND /478	4853	Hydraulics and Pneumatics (Diploma-ME-4**)		0		10 Mar 1977
280 /475	5853	Hydraulics and Pneumatics Lab (Diploma-ME-4 th)	0	0	2	

DR. AMIT	MAHAJAN (Assoc. Prof	(care)		Theory/Lab				Total Hours	
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
	2nd /4th	BTME - 402-18	Theory of Machines-II	3	1	0			
	2 nd /4 th	2493	Workshop Technology-II (Diploma- ME-4 th Sem.)	3	0	0	7	7	14
4.	2 nd /4 th	3493	Workshop Technology-II Lab (Diploma-ME-4th Sem.)	0	0	7			

5. DR. A	TUL AGNIHOTRI (Asso	c. Professor)	A REAL PROPERTY OF A REAL PROPER	Th	eory/l	ab	Theory	Lab	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
Sr. NO.		BTME-601-18	Refrigeration and Air Conditioning	3	1	0	1000-1-1		i interes
3RD / 6TH 3RD / 6TH	BTME-605-18	Refrigeration and Air Condition Lab	0	0	2	Sec. And		and the	
	3RD / 6TH	3RD / 6 TH BTME614-18 Product Design and Developm	Product Design and Development (B. Tech-	3	0	0			15
	380 / 6TH	BIME014-18	CE	+ +	-	1	10	3	13
5.		9510	Introduction to CAD (Diploma-CE-2 ND)	0	0	3	1223		
	1 st /2 nd		Generic Skills and Entrepreneurship	3	0	0	1999	1	
	2 nd /4 th	9585	Development			-			112-22-22-22

ER. JASJ	EEVAN SINGH (Asst. Pro		Course Name	The	eory	P	Theory Hours	Lab Hours	Total Hours	
-	ER. JASJEEVAN SINGH (Asst. Pro r. No. Year/Semester 2 nd /4 th 6. 2 nd /4 th	Vear/Semester Course Code		Applied Thermodynamics	3	1	r	nours		
37. 100.	and the second s		1			0		Hole I II	10	
Second Second	2 nd /4 th	RTME-401-10			-	-	12	6	18	
6 -	Distance -		Applied Thermodynamics Lab	0	0	2	De Maria			
0.	2 /40	BTME-406-18			-					

380 / 6TH	BTME 604-18	Introduction to Industrial Management	3	1	0		
2 rd /4 th	5253	Thermodynamics-I (Diploma-ME-4 th Sem.)	4	0	0	1	
2 nd /4 th	9253	Thermodynamics-I Lab (Diploma-ME-4 th Sem.)	0	0	2		
2 nd /4 th	BMPD 401-18	Mentoring and Professional Development	0	0	2		

7. ER. KARANBIR SINGH (Asst. Professor)

In Receivers				The	ory/		Theory		1954
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	Hours
1	1"/2"	9357	General Workshop Practice - II (Diploma ME)	0	0		0	6	6
7.	1#/2#	9529	General Workshop Practice – II (Diploma CSE)	0	0	ľ	0		

R. NAVIN	KUMAR (Asst. Profes	usor)		The	nry/L	ab	Theory	Lab	Total
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	Hours
		BTME-402-18	Fluid Machines	3	1	0			
	2ND /4TH	BTME-407-18	Fluid Machines Lab	0	0	2		1231	
8.	2ND /4TH		Add On Course	2	0	0	7	8	15
	2 ND / 4 TH 1 st / 2 st	9342	Engineering Drawing-II (Diploma-ME-2 ND)	0	0	6			
	2 nd /4 th , 3 RD / 6 TH		Personality Development/Soft skills (ME)	1	0	0	Sandar		

9. ER. GURCHARAN SINGH (Asst. Professor)

M

	T			100	ory/	Lan	Theory	Lab	total
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	Hours
9.	1 st / 2 nd	BTME101-21	Engineering Graphics And Design B. Tech. App. Sci. (Physics Group-1)		0	5	2	17	19

	\$		20			
1 st / 2 ^{cd}	BTME101-21,	Engineering Drawing And Design B. Tech. App. Sci. (Physics Group-2)	1	0	5	
2 nd /4 th	9453	Mechanical Engineering Drawing-II (Diploma-ME-4 th)	0	0	7	

10. ER. VINOD MAHAJAN (Asst. Professor)

C. N.	Variation			The	ory/	Lab	Theory	Lab	T
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	Total Hour
	2°d /4th	BTME 403-18	Strength of Materials-II	3	1	0	10.9.8	1	1.1.1.1.1
	1 ⁵⁷ / 2 ^{MD}	BTMP101-18	Workshop / Manufacturing Practices (B. Tech. App. Sci. Chemistry Group- G2)	1	0	0			
10.	1 ⁵¹ /2 ND	BTMP101-18	Workshop / Manufacturing Practices (B. Tech. App. Sci. Chemistry Group- G2)	0	0	8	7	10	17
	2 nd /4 th		SCAI Entrepreneurial (Diploma- ME-4 TH)	0	0	2		1.20	1.39
36.00	3rd / 6th	THE R. LAND	Add On Course	2	0	0		134	12.0

Time Table Coordinator

Overall TI Coordinator H.O.D Head

Mechanical Engg. Deptt. Khalsa College of Engg.& Technology Amritsar

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Minor Project

1. DR. AMIT MAHAJAN (Assoc. Professor)

				The	eory,	/Lab	Theory		Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
Sr. no.	Tearform				0	2	0	2	2
1	3rd / 6th	BTME608-18	Minor Project	0	0		P	1	

2_ DR. VINOD MAHAJAN (Asst. Professor)

VILLOB PILL	HAJAN (Asst. Protesso			Theory/Lab		Lab	Theory	Lab	Total Hos
	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
Sr. No.	Year/Semester				0	2	0	2	2
	3rd / 6th	BTME608-18	Minor Project	0	0	-	10.1	1 and the	in the second

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Time Table Coordinator

Overall] Head Mechanical Engg. Deptt.

Amritsar

Khalsa College of Engg & Technology

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Library

1. DR. ATUL AGNIHOTRI (Assoc. Professor)

DR. ATUL	AGNIHOTRI (Assoc. Pr	Olesson)		The	eory	/Lab	Theory	Lab	Total Hours
	Vers / Comester	Course Code	Course Name	L	T	P	Hours	Hours	
Sr. No.	Year/Semester		Library	1	0	0	1	0	1
1	3RD / 6TH		Library		-	-		1.00	

2. DR. SANDEEP SINGH SUNNY (Assoc. Professor)

L. DR. SAMDE				Th	eory	Lab	Theory	Luc	Total Hour
	in in anter	Course Code	Course Name	L	T	P	Hours	Hours	
Sr. No.	Year/Semester		Library	1	0	0	1	0	1
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DEPARTMENT OF MECHANICAL ENGINEERING

WORKLOAD ALLOCATION FOR ACADEMIC YEAR 2023-2024 (EVEN SEMESTER Jan 2024 - April 2024)

TEACHING WORKLOAD TO OTHER DEPARTMENT

1. ER. RAWINDER KAUR (Asst. Professor)

			and the second	The	ory	Lao	Theory	Lab	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
	3RD / 6TH	EVS-101-18	Environmental Science	3	0	0	3	0	3

2. Dr. PARDEEP SINGH (Assoc. Professor)

				The	ory	/Lab	Theory	Lab	Total Hours
Sr. No.	Year/Semester	Course Code	Course Name	L	T	P	Hours	Hours	
51, NO.	1st / 2nd	72.10	Applied Mechanics (Diploma ME-2 nd Sem.)		0	0	3	2	5
2.	1st/2nd	9356	Applied Mechanics Lab (Diploma ME-2 nd Sem.)	0	0	2			

Time Table Coordinator

Overall T Head HO.D Mechanical Engg. Deptt. Khalsa College of Engg & Technology

Amritsar

Coordinator Bean Academics

Director

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TEACHING WORKLOAD FROM OTHER DEPARTMENT

1. DR. ATUL AGNIHOTRI (Assoc. Professor)

Sr. No.	Year/Semester	Course Code	Course Name	The	eory	/Lab	Theory	Lab	
			course manne	L	T	P	Hours	Hours	Total Hours
1.	3 RD / 6 TH	BTME614-18	Product Design and Development (B. Tech-CE)	3	0	0	3	0	3

Time Table Coordinator

Overall TT Coordinator Head H.O.D Mechanical Engg. Deptt. Khalsa College of Engg & Technology Amritsar

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Time Tables

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	1212	ALCONT ON A	Depar	tment of N	Alechanical & I	ngineeri	ing		
Session	: (Jan - May	2024)	TIM	AE TABLE -	4th Semester	sugaceri	ung	m No: 126)	
PERIOD/	9.00-9.55	9.55-10.50	10.50-11.00	11.00-11.5	5 11.55-12.50	12.50-1.4			
DAY	1	2		3	4	12.30-1.43	5 1.45-2.4	AND A PROPERTY OF A PROPERTY O	3.30-4.20
MON	AT (L)(]]S)	Add On Cours (L) (NK)	e		() F M/C (L)(NK)		SOM-II (L) (6 VM) AT LAB (IJS	7 / HIS) (R-223)
TUES	SOM-II (L) (VM)	ME (L) (SSS)]	AT (L)())S) EVS (L) (RK)	EAK	Library (SS	S) TOM-II (L)(AM)	
WED	F M/C (L)(NK)	TOM-II (L)(AM)	AK	ME (L) (SSS) AT (L)(]]S)	LUNCH BREAK	Add On Cour (L) (NK)	se FM/CLA	8 (NK / HJS) 226)
THU	ME (L) (SSS)	FM/C(L)(NK)	BREAK	SOM-II (L) (VM)	AT (T)()]S)	UNC	TOM-II (L)(AM)	Section Hard	/ HJS) (R-129)
FRI	F M/C (T)(NK)	SOM-II (T) (VM)		EVS (L) (RK)	TOM-II (T)(AM)	-		(ME-4" SEM.)	CEP (NK)
100 and	a second second				1	1	1.1.1.1		(3:30-5:00)
CO	URSE	CODE	FACU	LTY	COURS	SE	CODE	FACU	LTY
Fluid Machin	nes	BTME402-18	Er. Navin Kuma	r (NK)	Applied Thermod	lynamics Lab	BTME406-18	Er. Jasjeevan Sir (HJS) Mr. Harjin	ngh (JIS)/
Theory Of M	achines-II	BTME405-18	Dr. Amit Mahaja	n (AM)	Fluid Machines La	ab	BTME407-18	Er. Navin Kumai (HJS)Mr. Hariin	(NK)/
Materials En	gineering	BTME404-18	Dr. Sandeep Sing (SSS)	th Sunny	Materials Enginee	ring Lab	BTME4088-18	Dr. Sandeep Sing (SSS) /(HJS) Mr. Singh	th Sunny
Strength Of M	faterials-II	BTME403-18	Er. Vinod Mahaja	in (VM)	MPD		BMPD-401-18	Er. Jasjeevan Sing	h (JIS)
Applied Then	modynamics	BTME401-18	Er. Jasjeevan Sinj	gh (]]S)	Environmental Sci	ence	EVS101-18	Er. Rawinder Kau	r (RK)
DD ON Cours	se		Er. Navin Kumar	(NK)	CEP			Er. Navin Kumar (NK)
					LIBRARY			DR. Sandeep Singl (SSS)	Sunny

VL TT Incharge

Head Head Overa Mechanical Engl. Dept. Khalsa College of Engl. & Technology Amritsar Overall Thincharge

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	1123 LON	1111	Departu	ment of Mec	hanical Eng	ineering		Roor	n No: 106)
C. salami (an - May 20	24)	Т	IME TABLE	- 6th Semeste	er			
Session: ()	an - may 20		1.		11.55-12.50	12.50-1.45	1.45-2.40	2.40-3.30	3.30-4.2
PERIOD/	9.00-9.55	9.55-10.50	10.50-11.00	11.00-11.55	11.55-12.50	12.30 2.15	5	6	7
DAY	1	2		3			150100	RAC Lab (A	A/ HJS) (R-22
MON	MMM (L) (SD)	PDD(L)(AA)		AE (L) (JS)	RAC (L)(AA)		AE (L) (JS)	iore man (re	HALL ST
TUES		Add On Course (L) (VM)		Library(AA)	RAC (L)(AA)	TEAK	AE (L) (JS)	MMM Lab	(SD)(R-115)/
	RAC (L)(AA)	IIM (L)(JIS)	BREAK	AE (L) (JS)	MMM (L) (SD)	H BR	PDD(L)(AA)	1	HIS) ject (AM/VM)
WED	IIM (L)(JJS)	MMM (L) (SD)	BR	AE (L) (JS)	RAC (L)(AA)	LUNCH BREAK	RAC (T)(AA)		-128)
Add On Course (L)		IIM (T)())5)		PDD(L)(AA)	MMM (L) (SD)	1		(JS/ HJS) -223)	CEP (3:30-5:00
FRI	(VM)			1		1			
Des		-		TUTY	COU	IRSE	CODE		ULTY
	URSE	CODE	FACULTY B Dr. Atul Agnihotri (AA)		Refrigeration & Air		BTME605-18	Dr. Atul Agni Mr./(HIS) Ha	notri (AA)/ rjinder Singh
Refrigeratio	on & Air	BTME601-18	ALL STATE OF THE		Conditioning	Lab		Er Sandeep	Devgan (SD)/
Conditionit Mechanica Metrology	I Measurements &	BTME602-18	Er. Sandeep	Devgan (SD)	Mechanical M Metrology	easurements &	BTME606-18	Mr/(HJS) Ha	rjinder Singh
and the second	e Engineering	BTME603-18	Dr. Jugraj Sin	ngh (JS)	Automobile Engineering		BTME607-18	Dr. Jugraj Si Mr/(HJS) Ha	rjinder Singh
1 44				Laine Dato	LIBRARY		SCALE DELLA	Dr. Atul Agn	ihotri (AA)
ADD ON G	ourse			ahajan (VM)	CEP	1000	1000	Er. Navin Ki	amar (NK)
Product D	ent	BTME614-18	a set of the second		Minor Project	1	BTME608-18	Dr. Amit Ma	hajan (AM)
Development Introduction to Industrial management.		BTME604-18	8 Er. Jasjeevan Singh (JIS)		Minor Project			/ Er Vinod Mahajan (VM)	

Khalsa	College	of	Eng	ginee	ring	8	Techn	olog
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	19201012	No.	Even Sem.		le(Jan -	May 2024)	1	1000																				
			P SINGH SI	UNNY	Design	ation : A.P	Depar	tment : ME	Total Load: 17																			
9:55	9:55- 10:50	10:50- 11:00	11:00- 11:55	11:55- 12:50	12:50- 1:45	1:45-2:40	2:40-3:30	3:30-4:20	4:20-5:00																			
1	2		3	4	1	5	6	7	8																			
				SOM (L) (DME- 4 TH SEM.)			H & P (L) (DME-4 TH SEM.)	SOM (Lab) (SSS)																			
	ME (L) (ME- 4 TH SEM.)	ĸ		H & P (L) (DME- 4 TH SEM.)	REAK	REAK	Library (ME-4 th)	SOM (L) (DME-4 TH SEM.)																				
		BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BREA	BRE	BRE	BRE	BRE	ME (L) (ME-4 TH SEM.)		LUNCH B	H & P (L) (DME- 4 TH SEM.)		H & P Lab (SSS)	
ИЕ (L) ИЕ-4 ^{тн} SEM.)	-			H & P (L) (DME- 4 TH HE LAB (SSS / HS) (R- 129) (ME-4 TH SEM.)																								
				No.		SOM (L) (DME-4 ^{TII} SEM.)			SOM (L) (DME-4 TH SEM.)																			
	9:00- 9:55 1 1 IE (L) 1E-4 TH	9:00- 9:55- 9:55 10:50 1 2 ME (L) (ME- 4 TH SEM.) IE (L) IE (L) IE-4 TH	9:00- 9:55- 9:55 10:50 1:00 1 2 ME (L) (ME- 4 TH SEM.) ME (L) (ME- 4 TH SEM.)	9:00- 9:55 10:50 11:00 11:00 11:55 1 2 3 ME (L) (ME- 4 TH SEM.) ME (L) (ME- 4 TH SEM.) ME (L) (ME-4 TH SEM.)	9:55 10:50 11:00 11:55 12:50 1 2 3 4 SOM (L) (DME-4TH SEM.) ME (L) (ME-4TH SEM.) H & P SEM.) ME (L) (DME-4TH SEM.) ME ME (L) (ME-4TH SEM.) SEM.) ME (E (L)) (ME -4TH SEM.) ME	9:00- 9:55 10:50 11:00 11:55 12:50 12:50 1 2 3 4 1 2 3 4 SOM (L) (DME- 4 TH SEM.) ME (L) (ME- 4 TH SEM.)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $																			

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KHALSA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRITSAR Even Sem. Time Table(Jan - May 2024) Name of the Faculty Member :ER. JASJEEVAN SINGH **Designation** : A.P Department : ME Total Load:18 9:55- 10:50-09:00-9:55 11:00-11:55-12:50-1:45-DAY/Period 10:50 2:40-3:30 11:00 11:55 3:30-4:20 12:50 4:20-5:00 1:45 2:40 2 3 4 5 6 7 8 AT (L)(JJS) MON (ME-4TH TD-1(L) AT LAB (JJS/ HS) (R-(JJS) SEM.) 223) (ME-4TH SEM.) AT IIM (L) (ME-6th SEM.) (L)(JJS) TD-1(L) TUE (ME-4TH (JJS) SEM.) LUNCH BREAK AT IIM (L) BREAK (L)(JJS) WED (ME-6th SEM.) TD-1(L) (ME-(JJS) 4TH SEM.) AT (T)(JJS) IIM (L) (ME-6th SEM.) TD-1(L) THU (ME-TD-1 lab (JJS) (JJS) 4TH SEM.) MPD (JJS/HJS) (ME-4TH SEM.) IIM (T) FRI ME-6ª SEM.) V DeanAcademics OverallTIncharge Head H.O.D TTIncharge Mechanical Engg. Deptt. Khalsa College of Engg.& Technology

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Remedial Classes

Time-Table



Khalsa College of Engineering & Technology ਖ਼ਾਲਸਾ ਕਾਲਜ ਆਫ਼ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨੋਲੋਜੀ (Approved by AICTE, New Delhi & Affiliated to IKG Punjab Technical University, Jalandhar(Govt. of Punjab))



Accredited by NAAC Grade "A"

	DEFARIMENTO	ERING AND TECHNOLOGY, AMRITSAR F MECHANICAL ENGINEERING - May'24) for REMEDIAL CLASSES
DAY	11MINGS :4:20 PM - 5:001	PM (w.e.f:11 - 03 -2024)
Aonday	ME 4TH SEM (R-126)	ME 8TH SEM (R-104)
uesday		MMM
ednesday	FM TOM	PDD (2:40-3:30PM)
hursday		IIM
riday	ME/EVS	AE
	SOM-II	RAC

SUBJECT	CODE	E + CHI MAL
AT	BTME401-18	FACULTY Er. Jasjeevan Singh
FM	BTME402-18	Er. Navin Kumar
том	BTME405-18	Dr. Amit Mahajan
SOM-II	BTME403-18	Er. Vinod Mahajan
ME	BTME404-18	Dr. Sandeep Singh Sunny
EVS	EVS101-18	Er. Ravinder Kaur
PDD	BTME614-18	Dr. Atul Agnihotri
IIM	BTME604-18	Er. Jasjeevan Singh
RAC	BTME601-18	Dr. Atul Agnihotri
MMM	BTME602-18	Dr. Sandeep Devgan
AE	BTME603-18	Dr. Jugraj Singh

Lour. TT INCHARGE Head HOD (ME) Mechanical Enge. Deptt. OTT INCHARGE Khalsa College of Engg.& Technology Amritsar

DEAN ACADEMICS

Ranjit Avenue, C Block, Amritsar, Punjab (India)-143001 Ph. 0183-5030765.5030760 Fax:-0183-2506969 Website: www.kcet.co.in

Email:-kcetamritsar@omail.com34

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Course Breakup

Khalsa College of Engineering and Technology

Department of Computer Science & Engineering AY: 2023-2024

Course Information sheet

Degree/	Program: -B.Tech/CSE	Year/Semester: - 3rd/ 5th			
Automa	Name: - Formal Languages and ita Theory	Course Code: - BTCS 502-18			
Course	Type: - Professional Core	Credit: - 3			
UNIT	Course Syllabus as p	er University Scheme	Hour		
1	Alphabet, languages and grammars, hierarchy of languages.	productions and derivation, Chomsky	3hrs		
2	Regular expressions and languages, deterministic finite automata (DFA) and equivalence with regular expressions, nondeterministic finite automata (NFA) and equivalence with DFA, regular grammars and equivalence with finite automata, properties of regular languages, pumping lemma for regular languages, minimization of finite automata.				
3	Context-free grammars (CFG) and languages (CFL), Chomsky and Greibach normal forms, nondeterministic pushdown automata (PDA) and equivalence with CFG, parse trees, ambiguity in CFG, pumping lemma for context-free languages, deterministic pushdown automata, closure properties of CFLs.				
4	Context-sensitive grammars (CSG) and languages, linear bounded automata and equivalence with CSG.				
5	The basic model for Turing machines (TM), Turing recognizable (recursively enumerable) and Turing-decidable (recursive) languages and their closure properties, variants of Turing machines, nondeterministic TMs and equivalence with deterministic TMs, unrestricted grammars and equivalence with Turing machines, TMs as enumerators.				
6	Church-Turing thesis, universal Tu diagonalization languages, reduction be undecidable problems about languages. Intractablity: Notion of tractability/feasi importance. Polynomial time many-on	uring machine, the universal and etween languages and Rice s theorem, bility. The classes NP and co-NP, their e reduction. Completeness under this NP-completeness of propositional lity. NP-complete problems from other	12hrs		
E - 195, 207, 1, 2, 4, 6, 8, 10	arks: 100	Contact Hour: - 3+0=3 hr. (L+T)/w	eek		
Correspo	onding Lab Course: - nil	Corresponding Lab Code: -nil			

Faculty Incharge Name: Dr. Jasleen Kaur(Associate. Prof.) Deptt. of Computer Science and Engg.

Checked By Dr. Jasleen Kaur(H.O.D) Deptt. of Computer Science & Engg. Khalsa College of Engineering and Technology

Department of Computer Science & Engineering AY: 2023-2024

Text/Reference Books:

- 1. John E. Hopcroft, Rajeev Motwani and Jeffrey D. Ullman, Introduction to Automata Theory, Languages, and Computation, Pearson Education Asia.
- 2. Harry R. Lewis and Christos H. Papadimitriou, Elements of the Theory of Computation, Pearson Education Asia.
- 3. Dexter C. Kozen, Automata and Computability, Undergraduate Texts in Computer Science, Springer.
- 4. Michael Sipser, Introduction to the Theory of Computation, PWS Publishing
- 5. John Martin, Introduction to Languages and The Theory of Computation, Tata McGraw Hill.

Delivery/Instruction Methodologies (Tick Appropriate):

Chalk & Talk	2	Projectors/Smart Board	5	Web Resources	5
Online videos	1	Others	15	1 ¹⁰ - 5	

Assessment Methodologies -Direct(Tick Appropriate):

MSTs/Test	5	Assignments	1	Tutorials	
Quizzes	V	University Exams	V	Lab Cont. Evaluation	1 MC
Viva Voice		Seminar 🔛	V	Others	

Assessment Methodologies-In Direct(Tick Appropriate):

Assessment of Course Outcome (By feedback once)	1	Student Feedback on Faculty	~
Others	p = p p	- may 1930-1940	

Faculty Incharge Name: Dr. Jasleen Kaur(Associate. Prof.) Deptt. of Computer Science and Engg. Checked By Dr. Jasleen Kaur(H.O.D) Deptt. of Computer Science & Engg. Khalsa College of Engineering and Technology

Department of Computer Science & Engineering AY: 2023-2024

LECTURE SCHEDULE

Degree/Program: B.Tech/CSE Course Name:Formal Languages and Automata Theory Faculty Name: Dr. Jasleen Kaur

Course Code:- BTCS 502-18 Duration:Aug 2023-Dec 2023 Semester: 5th

Aim:

Objective: To motivate and challenge students to understand properties of formal languages, formal grammars and finite automata and design automatato acceptset of strings of language. Also to understand the concept of decidability, NP completeness and NP-hard problem.

Pre-Requisite: Design Analysis and Algorithm

Teaching Aids:-Chalk & Talk, PPT/Projectors, Online videos.

Course Outcomes: After the course, the students should be able to

	Course Outcomes	POs	PSOs
C01	Write a formal notation for strings, languages and machines.	1121315	1,2
CO2	Design finite automata to accept a set of strings of a language.	1,2,3,5	1,2
CO3	Design context free grammars to generate strings of context free language.	1,2,3,5	1,2
CO4	Determine equivalence of languages accepted by Push Down Automata and languages generated by context free grammars.	1,2,3,5	1,2
C05	Distinguish between computability and non-computability and Decidability and undecidability.	1,2,3,5	1,2

Faculty Incharge Name: Dr. Jasleen Kaur(Associate. Prof.) Deptt. of Computer Science and Engg. Checked By Dr. Jasleen Kaur(H.O.D) Deptt. of Computer Science & Engg.

KHALSA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRITSAR

Subject:Formal Languages and Automata Theory Sub Code:BTCS-502-18 Faculty:Dr. Jasleen Kaur

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Branch: CSE Sem: 5th Session: August-Nov 2023

Lect. No	Topics to be Covered	Planned Date	Period Number	Actual Date	Sign
MODU	LE-1Introduction (Formal Langua	iges)	(AL		
1	Basic definition and examples ofGrammar	1-08-2023	2	7-08-2023	thous
2	Derivations and language generated by a grammar	2-08-2023	2	8-08-2023	theen
3	Examples	3-08-2023	2	10-08-2023	they
4	Construction of a Grammar	7-08-2023	2	14-08-2023	Juan
5	Examples	8-08-2023	2	14-08-2023	Joy
6	Chomsky Classification of languages	9-08-2023	2	16-08-2023	Jey
7	Languages and their corresponding automata	9-08-2023	2	16-08-2023	for
8.	Definition of Automation	10-08-2023	2	7-08-2023	pour
9.	Characteristics of Automation	10-08-2023	2	17-08-2023	que
10.	Description of Finite Automation	14-08-2023	2	17-08-2023	hor
11	Transition Systems	16-08-2023	2	18-08-2023	leer
12	Properties of Transition Functions	16-08-2023	2	18-08-6023	Rein
13	Acceptability of a string by a finite automation	16-08-2022	2	18-08-2013	year
14	Examples	17-08-2023	1	21-08-2023	Jun
15	Examples	21-08-2023	1	21-08-2023	Jes
16	Non Deterministic finite state machines	22-08-2023	2	22-08-2023	Jen
17	Examples	22-08-2023	2	22-08-2023	flor
18	The Equivalence of DFA and NDFA	23-08-2023	2	23-08-2023	Jen
19	Examples	23-08-2023	2	23-08-2023	you
20	Finite Automata with Outputs Mealy and Moore models	24-08-2023	2	24-08-2023	plen
1 A	Regular Expressions	28-08-2023	2	28-08-2023	

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	Identites for regular expressions	29-08-2023	2	29-08-2023	Kac
23	Arden's Theorem	31-08-2023	2	29-08-2023	Jee
24	Transition systems and regular expressions	4-09-2023	2	4-09-2023	Joci
25	Transition system containing null moves	5-09-2023	2	5-09-2023	12al
26	Algebric method using Arden's Theorem	6-09-2023	2	6-09-2023	Juan
27	Construction of Finite automata equivalent to a regular expression	7-09-2023	2	7-29-2023	yhau -
28	Equivalence of two finite automata	18-09-2023	2	11-09-2023	frem
29	Equivalence of two regular expressions	18-09-2023	2	11-09-2023	Jain
30	Pumping Lemma A Context-sensitive language is recursive	19-09-2023	2	12-09-2023	how
31	Closure properties of regular sets	20-09-2023	2	12-09-2023	Thom
32	Construction of a regular grammar	20-09-2023	2	18-09-2023	Jean
AL. 11	Assignment No:1 Date of LE-3 Context free languages and 1	L _ Totala (Date of Submission:-	11-89-202
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33 34	Assignment No:1 Date of LE-3 Context free languages and 1 Derivation Trees Leftmost and Rightmost derivation Ambiguity in Context free	Pushdown Autor 21-09-2023 21-09-2023	nata 2 2	20-09-2023 20-09-2023	Hour
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45	Construction of pda equivalent to context free grammar	9-10-2023	2	9-10-225	Kou
46	Construction of context free grammar	10-10-2023	1	10-10-2025	Jam
	MODULE-	4 Context Sensit	ive Langua	ges	1 ()
47	Context Sensitive grammars and Languages	11-10-2023	2	12-10-2023	pour
48	Linear Bounded Automata	12-10-2023	5	13-10-2013	lang
49	Equivalence with CSG	12-10-2023	5	13-10-223	Jen
	Assignment No:2 Date of	f Announcement:-	9-10-2023	Date of Submission:	()
C	MODI	ULE-5 Turing N	lachines	ked program	N 5 11
50	Turing machine model& Representation of Turing Machines	16-10-2023	2	16-10-2023	Jkou
51	Design of Turing Machines	17-10-2023	and many	17-10-2013	Jean
52	Halting Problem The Post Correspondence problem	18-10-2023	2	19-10-2023	flow
53	Variants of Turing machines	18-10-2023	2	19-10-2025	how
54	Definition, Properties of LR(k) Grammars	19-10-2023	2	23-10-2023	par
55	Decidability and recursively enumerable languages, TMs as enumerators	19-10-2023	2	23-10-2223	Jen
10DU	LE-6 Undecidability and Intractab	ility		angen der und ver einig	
56	Church-Turing thesis and Reduction between languages and Rice s theorem	23-10-2023	2	2-6-10-2023	they
57	Undeciable Problems : The classes NP and co-NP & Cook-Levin theorem	25-10-2023	1	31-10-2023	hay
58	Graphs	26-10-2023	2	1-11-2023	fley
	Assignment No:3 Date of Announcement:-			Date of Submission:-	0
59	Revision	6-11-2023	1	H11/2023	pay
60	Revision	7-11-2023	2	8-9/11/2023	(ner

Number of proposed Lectures: 45 Number of proposed assignments: 3 Number of proposed Tests: 2(MST)

Text References:

- K.L.P. Mishra and N. Chandrasekaran, "Theory of Computer Science, Third Edition", PHI Learning Private Limited, 2011.
- 2. John E. Hopcroft, Rajeev Motwani, Jeffrey D. Ullman, "Introduction to Automata Theory", Languages and Computation, Pearson Education.