

भारतीय प्रौद्योगिकी संस्थान भिलाई
Indian Institute of Technology Bhilai



शिक्षा-परिषद
Senate

शिक्षा-परिषद की बैठक संख्या ४००२४ / २८०६२०२४ का कार्यवृत्त
Minutes of the Senate Meeting no. 40024/28062024

(शिक्षा-परिषद की चौविंसी बेंठक, २८ जून २०२४ का कार्यवृत्त)
(Minutes of 24th Meeting of the Senate, 24 June 2024)

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Minutes of 24th meeting (40024/28062024) of the Senate

Date: **June 28, 2024**

Time: **11:00 hrs – 13:30 hrs**

Venue: **Boardroom, IIT Bhilai, Durg-491001 / VC**

Members Present	Special Invitees Present
Prof. Rajiv Prakash, Chairman	Dr. Ramasamy Mayilmurugan
Prof. Dhananjai Pandey, Distinguished Professor, IIT Bhilai	Dr. Souradyuti Paul
Prof. Ramesh Chandra, Professor, and Head-IIC, IIT Roorkee	Dr. Sreejith TV
Mr. Manish Gupta, Director, BSBK Pvt. Ltd. Bhilai, (C.G.)	Dr. Arnab Patra
Prof. Santosh Biswas	Dr. Avijit Pal
Dr. Anil Kumar Sao	Dr. Soumya Gangopadhyay
Dr. Dhruv Pratap Singh	Dr. Raghavender Medishetty
Dr. Suchetan Pal	Dr. Purnendu Das
Mr. Subhash Pandey, Administrative Advisor, Secretary (Officiating)	Dr. Dhiman Saha
	Dr. Arun Kumar Upadhyay
	Dr. Vishwesh Jatala
	Dr. Katchala Nanaji
	Dr. Shailendra Kumar
	Dr. Manish Pandey
	Dr. Shashank Kurm
	Dr. Kuldeep Kumar Kataria
	Dr. Anshul Faye
	Dr. Kaushik Bandyopadhyay
	Dr. Praveen Kumar
	Dr. I Vinod Reddy
	Dr. Hathiram Nenavath
	Dr. Nagesh D Patil
Dr. Soumyajit Pramanik	
Mr. Surya Ketaraju	

Welcome and Announcements: The Secretary welcomed the Chairman, Prof. Rajiv Prakash to the 24th senate meeting of the Institute.

At the onset, the Chairman welcomed all members to the 24th meeting of the Senate and introduced all the new members and special invitees to the Senate. He then thanked all the outgoing members, and their valuable contribution was acknowledged by him. He then made the following announcements:

1. The following distinguished and renowned faculty members and industrialists

have joined the Senate as Members.

- (a) Prof Dhananjai Pandey, Distinguished Professor, IIT Bhilai
 - (b) Prof. Sachchidanand Shukla, Vice Chancellor, PRSU Raipur, (C.G.)
 - (c) Prof. S.R. Vadera, Deputy Director, IIT Jodhpur
 - (d) Prof. Ramesh Chandra, Professor, and Head-IIC, IIT Roorkee
 - (e) Mr. Anirban Dasgupta, Director In-Charge, BSP, Bhilai (C.G.)
 - (f) Mr. Manish Gupta, Director, BSBK Pvt. Ltd. Bhilai, (C.G.)
2. The faculty members' recruitment process is scheduled to start on July 01, 2024. Several new faculty members are likely to join the institute soon.
 3. The institute is planning to conduct the convocation tentatively in the month of July 2024.

The chairman then requested the Secretary to proceed with the agenda items.

Item No 24. 1: To confirm the minutes of the 23rd meeting of the senate held on 23 February 2024 (40023/23022024).

The minutes of the 23rd meeting of the senate held on February 23, 2024 (40023/23022024) were circulated to all members of the senate on March 05, 2024. No comment was received on the circulated minutes. Comments were then invited on the floor.

In the absence of any comment, the minutes of the meeting were confirmed.

Item No 24. 2: To note the action taken report of the 23rd meeting of the senate.

The Secretary presented a report on the actions taken for the items deliberated in the 23rd meeting of the Senate.

The senate noted the action taken report.

Item No 24. 3: To apprise and consider the students' program completion.

Faculty-in-Charge, DoAA presented the list of students (147 students in BTech, 12 students in BTech (Honours), 20 students in MSc, 17 students in MTech, 01 student in dual degree BTech-MTech and 05 students in PhD), who have completed their respective credit requirement for the award of degree after 23rd Meeting of senate held on 23 February 2024 (**Annexure 1**).

The senate recommended the abovementioned list of students (202 students) for the approval of BoG for the award of degree.

Item No 24. 4: To consider the request of students for withdrawal of admission.

Faculty-in-Charge, DoAA presented a proposal to consider the termination of program for the following students who have requested for withdrawal of admission.

ID Number	Name	Program	Discipline	Reason/Remarks
12310560	Avinash Kumar	MTech	MT	Personal Health Issues.
12311280	Mahendra Bhardwaj	PhD	CY	Personal and family issues.

After deliberation, the senate approved the proposal to terminate the program of above-mentioned students.

Item No 24. 5: To consider the revised program conversion policy from MSc to dual degree MSc-PhD.

Faculty-in-Charge, DoAA presented the revised program conversion policy from MSc to dual degree MSc-PhD as recommended by IPGC (**Annexure 2**).

After deliberation, the Senate approved the program conversion policy from MSc to dual degree MSc-PhD.

Item No 24. 6: To consider the revised program conversion policy from MTech to dual degree MTech-PhD.

Faculty-in-Charge, DoAA presented the revised program conversion policy from MTech to dual degree MTech-PhD as recommended by IPGC.

*After deliberation, the Senate with minor modifications approved the program conversion policy from MTech to dual degree MTech-PhD (**Annexure 3**).*

Item No 24. 7: To consider the exit policy from various programs in line with NEP 2020.

Faculty-in-Charge, DoAA presented the exit policy from various programs in line with NEP 2020 as recommended by IPGC (**Annexure 4**).

After deliberation, the Senate deferred the item, suggesting that the committee constituted for the implementation of NEP 2020 shall review and propose a detailed exit policy for the Senate's consideration in its subsequent meeting.

Item No 24. 8: To consider the request of Mr. Moyank Giri (12310830) an MTech student in the discipline of Data Science and Artificial Intelligence to carry out off-campus research for MTech thesis work at Ohio State University (OSU).

Faculty-in-Charge, DoAA presented the request of Mr. Moyank Giri (12310830) an MTech student in the discipline of Data Science and Artificial Intelligence to carry out off-campus research for MTech thesis work at Ohio State University (OSU). It was informed that he has been offered a position (J1 exchange visitor) to carry out off-campus research for MTech thesis work at Ohio State University (OSU) from July 15, 2024 to November 15, 2024. In this regard, the following proposal, as recommended by the IPGC, was presented for the Senate's consideration.

- i. The said student may be permitted to carry out off-campus research for MTech thesis work at Ohio State University (OSU) from July 15, 2024 to November 15, 2024.
- ii. During his absence, he shall be working with Prof. Ness B. Shroff of the Ohio State University, as a collaborating supervisor.
- iii. He shall be permitted to complete registration for the 2024-25 M semester through online mode.
- iv. He shall be permitted to carry out thesis work as an external full time student for 2024-25-M semester.
- v. Institute fellowship shall be stopped for the duration of absence.

After deliberation, the Senate approved the above proposal.

Item No 24. 9: To ratify the items approved by the chairman, senate.

The following items, approved by the Chairman Senate, are placed for the Senate's ratification.

- A.** Procedure for replacement of courses for PG students admitted in 2023-24-M semester.
- B.** Declaration of non-instructional day during Meraz-24.
- C.** Conversion of PhD program category from Institute Fellowship to External Part-time for Mr. Shubham Padhi (12310330), a PhD student in the department of Mathematics.
- D.** Revised schedule for the MTech and PhD program research seminar.
- E.** Seat Matrix for foreign nationals (on a supernumerary basis) for AY 2024-25.
- F.** Seat Matrix and reservation roster for PhD program for the 2024-25-M semester.
- G.** Seat Matrix and Reservation Roster for BTech program for the 2024-25-M semester.
- H.** Permission given to Mrs. Swati Kumari (12010150), a PhD Student in the

department of Computer Science and Engineering to drop 2023-24-W semester and to avail maternity leave up to six months from the start of the next semester, i.e., July 01, 2024.

- I. Revised curriculum of MTech program in Electronics & Communication Engineering.
- J. Detailed course curriculum of BTech program in the department of Electronics and Communication Engineering.
- K. Seeking permission to register for thesis in 2023-24-S semester.
- L. Permission given to Ms. Monika Srivastava (12010030) and Ms. Deepanwita Dey (12210050), PhD students in the department of Liberal Arts to complete the registration for 2024-25-M semester on July 30, 2024 without paying the late registration fine and via online mode on July 29, 2024 respectively as they were granted academic leave to attend international conferences.
- M. Academic leave granted to Ms. Smriti Sonkar (12311050), an MTech student in the discipline of Bioengineering to work in the lab of Dr. Hitendra Kumar, Assistant Professor, IIT Indore for a duration of 49 days from May 31, 2024, to July 18, 2024.

The senate ratified all the above items.

Item No 24. 10: To consider and approve the establishment of the Centre for Culture, Language, and Development Studies at IIT Bhilai.

Associate Head, LA presented the following proposal for establishing a Centre for Culture, Language, and Development Studies at IIT Bhilai.

Indian society and culture have a wealth of oral history, linguistic diversity, cultural pluralism, ecological wisdom, and collective memory. Considering this, the Department of Liberal Arts at IIT Bhilai proposes establishing a Centre for Culture, Language, and Development Studies. The Centre will aspire to position IIT Bhilai as a leading global center for excellence in research on pertinent issues of topical relevance to society.

It is envisaged that all personnel costs of the center will be met through third-party funding. This includes salaries/ honoraria for non-teaching staff appointed as project assistants/ associates and teaching staff appointed as visiting professors/ research fellows. The center will be housed in the Department of Liberal Arts building as proposed in Stage B, Phase 1 of the campus construction project. The Centre will require office space and cabins for visiting faculty and research fellows. The financial outflow from the institute will only be towards supporting essential office equipment and furniture for the center in the form of desktops, office tables, etc.

After deliberation, the Senate approved the proposal for establishing a Centre for Culture, Language, and Development Studies at IIT Bhilai and recommended to place it before the Board for consideration.

Item No 24. 11: Any other item, with the permission of chair.

A. To consider the attendance policy for the students.

Faculty-in-Charge, DoAA, apprised that there is a need to maintain attendance of the PG students at the department level as several cases related to unauthorized leave were brought to the notice. Therefore, he requested that an institute-level attendance policy for the students be formulated.

After deliberation, the Senate noted the same and reiterated that attendance is mandatory for all students and methodology for monitoring the same will be formulated after deliberation with various institute authorities.

As there was no other matter, the meeting ended with a vote of thanks to the chair.

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List of students who have completed their respective programs.**BTech: 147 (Students)**

ID No.	Name	Clear Credits	Dept.
12040020	ABHAY SINGH PATEL	240	Computer Science and Engineering
12040060	AKASH DEEP	242	Computer Science and Engineering
12040140	AMRUTA GOKHALE	241	Computer Science and Engineering
12040200	ANIKET MOHANTY	241	Computer Science and Engineering
12040210	ANKIT SONI	240	Computer Science and Engineering
12040220	ANKITA KUMARI	240	Computer Science and Engineering
12040260	ANSHU KUMAR	240	Computer Science and Engineering
12040300	ARJIT BHAMU	240	Computer Science and Engineering
12040320	ARSHPREET SINGH	241	Computer Science and Engineering
12040400	AYUSH KUMAR GUPTA	240	Computer Science and Engineering
12040500	DAKSHRAJ SADASHIV KASHID	240	Computer Science and Engineering
12040530	G M IMDADULLA KHAN	240	Computer Science and Engineering
12040550	GARVIT AGRAWAL	241	Computer Science and Engineering
12040640	HARSHITH NARESH CHUNDURI	241	Computer Science and Engineering
12040650	HEMANT GAUR	241	Computer Science and Engineering
12040670	HRISHIK RAJESH KANADE	240	Computer Science and Engineering
12040770	KHANDENATH PARTH SHIVDATTA	240	Computer Science and Engineering
12040820	MADHUR JAIN	241	Computer Science and Engineering
12040840	MANISH MARUTI SALUNKHE	241	Computer Science and Engineering
12040880	MD ARSAD	240	Computer Science and Engineering
12040930	MUNDRU SRINIDHI KRISHNA	240	Computer Science and Engineering
12040940	N B S BHARATH KUMAR REDDY	243	Computer Science and Engineering
12040950	NANCY GUPTA	240	Computer Science and Engineering
12040970	NIDHI SINCHANA S R	241	Computer Science and Engineering
12040980	NIKET SRIVASTAV	243	Computer Science and Engineering
12041050	PIYUSH PANCHOLI	243	Computer Science and Engineering
12041100	PRATHAMESH GUJAR	240	Computer Science and Engineering
12041110	PRATHMESH MAHADEO INGALE	240	Computer Science and Engineering
12041130	PRAVIN ARJUN SHANKHAPAL	240	Computer Science and Engineering
12041190	RAUNAK KUMAR	241	Computer Science and Engineering
12041210	RAVIPATI CHANDRAMALIKA	241	Computer Science and Engineering
12041230	RIYA	240	Computer Science and Engineering
12041240	RIYANSHI GOYAL	240	Computer Science and Engineering
12041290	SANKALP ACHARYA	244	Computer Science and Engineering
12041310	SARVESH KUMAR	241	Computer Science and Engineering
12041320	SATISH KUMAR ORAON	241	Computer Science and Engineering
12041350	SHAIK RAHUL	240	Computer Science and Engineering
12041370	SHARISHTH SINGH	240	Computer Science and Engineering
12041380	SHASHWAT JOHRI	241	Computer Science and Engineering
12041390	SHIVAM MALPANI	240	Computer Science and Engineering
12041420	SHREYAS SACHIN PANDE	242	Computer Science and Engineering
12041500	SUDHIR SHARMA	240	Computer Science and Engineering
12041530	SURESH BAIRWA	243	Computer Science and Engineering
12041540	SUSHANT YERAWAR	240	Computer Science and Engineering

12041610	TISHANG PRAJAPATI	241	Computer Science and Engineering
12041620	TOTLOD SHRIYA MOTIRAM	243	Computer Science and Engineering
12041670	VANISHA AGRAWAL	241	Computer Science and Engineering
12041700	VELLURU SHYAM	241	Computer Science and Engineering
12041720	VETSA TARUN SATYA KRISHNA GANESH	242	Computer Science and Engineering
12041730	VIDHI MITTAL	240	Computer Science and Engineering
12041770	YASH TECKCHANDANI	240	Computer Science and Engineering
12041780	YEDLA USHA SRI	240	Computer Science and Engineering
12040070	AKSHAY VIJAY WAIRAGADE	240	Data Science and Artificial Intelligence
12040090	AMAN VISHNOI	242	Data Science and Artificial Intelligence
12040100	AMAR BUDHIRAJA	241	Data Science and Artificial Intelligence
12040120	AMOGH SAMEER JOSHI	240	Data Science and Artificial Intelligence
12040130	AMPOLU SAHITHI	240	Data Science and Artificial Intelligence
12040190	ANEESH TICKOO	241	Data Science and Artificial Intelligence
12040240	ANSH AZAD	241	Data Science and Artificial Intelligence
12040460	CHALPE HIMANSHU CHANDRASHEKHAR	242	Data Science and Artificial Intelligence
12040540	GADIRAJU SAI VENKATA RAGHAVENDRA	240	Data Science and Artificial Intelligence
12040560	GAURANSHU	241	Data Science and Artificial Intelligence
12040600	GUBBALA VENU GOPAL	241	Data Science and Artificial Intelligence
12041070	PRAKHAR SHARMA	240	Data Science and Artificial Intelligence
12041280	SANAT TUDU	241	Data Science and Artificial Intelligence
12041360	SHALEEN MALIK	241	Data Science and Artificial Intelligence
12041400	SHIVAM SHRIVASTAVA	240	Data Science and Artificial Intelligence
12041440	SHWETA CHAUHAN	240	Data Science and Artificial Intelligence
12041450	SIDDHARTH GUPTA	241	Data Science and Artificial Intelligence
12041590	THATTE AAKASH ANAND	240	Data Science and Artificial Intelligence
12041740	VIJAY RAKSHIT	240	Data Science and Artificial Intelligence
12041750	VISHESH THAKUR	240	Data Science and Artificial Intelligence
12040030	ADARSH KAMAL	240	Electrical Engineering
12040050	ADITYA MISHRA	240	Electrical Engineering
12040110	AMIT JAKHAR	243	Electrical Engineering
12040230	ANKUSH JHA	242	Electrical Engineering
12040270	ANSHUL MANDAR	242	Electrical Engineering
12040290	AREEBA FAISAL	242	Electrical Engineering
12040310	ARNAV CHAUHAN	241	Electrical Engineering
12040330	ASHISH KUMAR	242	Electrical Engineering
12040340	ASHMESH DAWANDE	245	Electrical Engineering
12040360	ATHARV	241	Electrical Engineering
12040410	AYUSHI BHARTI	240	Electrical Engineering
12040430	BASANT SOLANKY	242	Electrical Engineering
12040440	BODDEPALLI SAI VENKATA KIRAN	240	Electrical Engineering
12040510	DNYANRAJ PAWAR	241	Electrical Engineering
12040580	GOTTAPU LEELA SATYA SWARUP SAI	241	Electrical Engineering
12040610	GUNTOJU ATHULITHA YASHASWINI	242	Electrical Engineering
12040660	HIMANSHU TATAWAT	246	Electrical Engineering
12040680	INDRAJIT KULI	242	Electrical Engineering

12040690	JAY SAMRANI	240	Electrical Engineering
12040700	JAY SONI	240	Electrical Engineering
12040710	KAGITHA SRI BHANU PREETHAM	241	Electrical Engineering
12040720	KAHAR VAISHNAVI HEMANT	241	Electrical Engineering
12040740	KAMMELA ADITYA VARDHAN	240	Electrical Engineering
12040760	KHAIRNAR SHREYASH GANESH	242	Electrical Engineering
12040780	KOTA AJAY KUMAR	240	Electrical Engineering
12040800	LOHIT DAKSHA BOUNA THIRUMAL	241	Electrical Engineering
12040810	MADDELA VENKATA DURGA SUPRIYA	240	Electrical Engineering
12040850	MANJEET	240	Electrical Engineering
12040870	MAYANK CHATURVEDI	240	Electrical Engineering
12040920	MOKA VENKATA KRISHNA	240	Electrical Engineering
12040960	NARENDRA KUMAR	243	Electrical Engineering
12041000	NISHANT MAHAWAR	241	Electrical Engineering
12041140	PRIYA TOMAR	240	Electrical Engineering
12041150	PRODDUTOORI VAMSHIKA	240	Electrical Engineering
12041260	SAHAN MONDAL	246	Electrical Engineering
12041270	SAKSHI SARASWAT	240	Electrical Engineering
12041340	SAURABH RAJ	241	Electrical Engineering
12041410	SHIVANK SHUKLA	244	Electrical Engineering
12041430	SHUBHAM SAHU	243	Electrical Engineering
12041460	SIMI HAZARIKA	240	Electrical Engineering
12041470	SONU KUMAR	243	Electrical Engineering
12041520	SUNNY KUMAR	240	Electrical Engineering
12041570	TALLAPAKA LAHARI SREEJA	242	Electrical Engineering
12041580	TANISHQ MOHAN MEHTA	241	Electrical Engineering
12041600	THOMAS M JOSLINE	242	Electrical Engineering
12041660	VALDAS KARTHIK GOUD	240	Electrical Engineering
12041760	YASH MANDAWAT	240	Electrical Engineering
12040040	ADITI RAJU MAHAJAN	241	Mechanical Engineering
12040150	ANAND KUMAR	243	Mechanical Engineering
12040160	ANAND PRAJAPATI	240	Mechanical Engineering
12040170	ANANT TRIPATHI	241	Mechanical Engineering
12040370	ATTADA PRAVALIKA	251	Mechanical Engineering
12040470	CHAVAN SUJATA GANESH	242	Mechanical Engineering
12040490	CHINMAY RATNAPARKHE	241	Mechanical Engineering
12040620	HARSH KUMAR GAUTAM	241	Mechanical Engineering
12040750	KANDULA MOHAN KUMAR	241	Mechanical Engineering
12040790	LALIT MEHTA	241	Mechanical Engineering
12040830	MANAS RAGHUWANSHI	241	Mechanical Engineering
12040860	MANSI GARG	240	Mechanical Engineering
12040890	MOHAMMAD SAMEER	240	Mechanical Engineering
12040900	MOHIT KUMAR	245	Mechanical Engineering
12040910	MOHIT KUMAR MEENA	242	Mechanical Engineering
12040990	NIKHIL GEHLOT	241	Mechanical Engineering
12041160	PROJJWAL RAJ	243	Mechanical Engineering
12041180	RAJAGOPALAN R	241	Mechanical Engineering
12041200	RAUSHAN KUMAR	241	Mechanical Engineering
12041250	RUCHIKA GAUTAM	241	Mechanical Engineering

12041300	SARTHAK BALASAHEB GHULE	241	Mechanical Engineering
12041480	SPANDAN DAS	241	Mechanical Engineering
12041550	SWETA KUMARI	240	Mechanical Engineering
12041630	UNIQUE HEERA	242	Mechanical Engineering
12041640	UNNAM JESSICA	240	Mechanical Engineering
12041680	VASKURI TARUN SAI TEJA	241	Mechanical Engineering
12041790	YOGESH BANSHIWAL	240	Mechanical Engineering
12041800	YUVRAJ SINGH SHORI	241	Mechanical Engineering

BTech Honours (Course Based): 5 Students

ID No.	Name	Clear Credits	Dept.
12041650	VAIBHAV ARORA	271	Computer Science and Engineering
12041020	PATIL TANMAY VIJAY	264	Electrical Engineering
12040390	AYUSH KUMAR DAS	265	Mechanical Engineering
12040480	CHINMAY DEEP SAHOO	264	Mechanical Engineering
12041510	SUMIT KUMAR MAHESHWARI	264	Mechanical Engineering

BTech Honours (Thesis Based): 7 Students

ID No.	Name	Clear Credits	Dept.	Thesis Title
12040180	ANANYA	264	CSE	Advancing Autonomous Agents: Harnessing Large Language Models for Tool Manipulation, Knowledge Graph Building, and Jailbreaking
12040450	CHAITANYA BISHT	264	CSE	Mobility Aware Edge Server Selection Using Reinforcement Learning
12041090	PRARABDH SHUKLA	267	CSE	DiffRed: Dimensionality Reduction guided by stable rank
12041710	VEMUGANTI SESA SATVIK	266	CSE	A Tale of Two Primes: Accelerating Weak Key Detection in x509 Certificates
12041220	REDDY RISHITHA REDDY	264	DSAI	Machine Learning based System for Weed Detection
12041010	NOMAAN ALAM KHERANI	266	EE	A general Crater Detection Algorithm with an Introduction to the Digital Image Processing pipeline
12040250	ANSH GANGWAR	265	ME	Evaporative Crystallization of Saline Sessile Droplet on Hydrophilic and Hydrophobic Substrate: Effects of Relative Humidity and Concentration

Dual Degree (BTech – MTech): 1 Student

ID No.	Name	Clear Credits	Dept.	Thesis Title
11941040	RUCHIT PRAKASH SAXENA	300	CSE	Security Analysis of Unified Payments Interface (UPI) system in India

MSc: 20 Students

ID No.	Name	Clear Credits	Dept.	Thesis Title
12242120	ABHISHEK SHARMA	120	CY	PCBM Mediate Boasting of Photo (Electro)Chemical and Photocatalytic Properties of Bivo ₄ /Pbs Composite Thin-Film
12242130	ADARSH TIWARI	120	CY	Computational Analysis of Curcumin Analogues for Anti-Neurodegenerative Properties
12242210	DEVENDRA DEWANGAN	120	CY	Photomechanical Motion Exhibiting Solid Solution of Mixed Lead Halide Material
12242220	DHARMESH	120	CY	Glucose Responsive G-Quadruplex Hydrogel for Sustained Delivery of Insulin
12242270	KARTIK TOMAR	120	CY	Synthesis Of Manganese Complex as Mri Contrast Agent
12242300	MUNESH KUMAR MEENA	120	CY	Development of Ruthenium-Pincer Complex for the Dehydrogenative Coupling Reaction
12242360	YUGANT PM GUDDHA	120	CY	A Nature Inspired Biomimetic Catalyst Design For C-H Activation
12242150	AMBADAS BAJIRAO ANDHALE	120	MA	On Musielak-Orlicz Spaces and Applications to Partial Differential Equations
12242170	ANIMESH PRAMANIK	120	MA	Some Theories of Reproducing Kernel Hilbert Space
12242190	ARITRA DEB	120	MA	Analyzing Crop Health Using Multispectral Imaging with The Help of Computer Vision
12242200	BIROJA BORO	120	MA	Results on Fixed Points and Applications
12242230	GUNJAN SHARMA	120	MA	Finite Element Analysis of Partial Differential Equations
12242320	RAVINDRA KASANA	120	MA	Estimating the parameter of exponential and Pareto distribution
12242330	SATYA SAI ADITYA DUGGARAJU	120	MA	A Study of Probabilistic Stirling Numbers of the Second Kind, Poisson Process, Galton - Watson Process and their Applications
12242350	UTKARSH SHRIVASTAVA	122	MA	Algorithms For Maximum K-Connected Component Induced Packing in A Graph
12242110	ABHIGYA NARENDRA RANGARI	120	PH	Study And Understanding the Properties of Thin Gold Film
12242140	AMAN	120	PH	Monolayer Molybdenum Disulfide and its Applications
12242160	ANAND RAI	120	PH	Study of Gravitational Waves in Phase Transition
12242260	KARTHIK GOWDA	120	PH	Equilibrium Density Profile for Collisionless Dark Matter Haloes
12242310	PRAJJWAL KOHLI	120	PH	Programming of the Magnetic Field for Autonomous Path Control of the Microrobots

MTech: 17 Students

ID No.	Name	Clear Credits	Dept.	Thesis Title
12210310	DEBARGHYA DATTA	108	CSE	Unsupervised Named Entity Disambiguation for Low Resource Domain
12210370	MANISHA CHAWLA	108	CSE	Efficient Split Learning: Optimizing Communication and Computation in Federated Learning for Resource-Constrained Devices
12210400	NIKHIL BAJRANGBALI GUMASTHI	108	CSE	Next-Generation HetNets: Enhancing 5G Connectivity with MPTCP Scheduling and Congestion Control Algorithms
12210420	PARUL DIWAKAR	108	CSE	Predicting an Edge to Minimize the Maximum Betweenness Centrality of a Network using GNNs
12210430	PHOOL ROSHAN JHA	108	CSE	Security Analysis of Trustoken
12210440	PRACHI NIKALJE	108	DSAI	Speaker Verification under Noisy condition
12210490	SATYAM SHARMA	108	DSAI	Development of machine-learning nondestructive ripeness detection system for banana using computer vision
12210510	SOWDAGAR MAHAMMAD SHAHID	108	DSAI	Creation and Detection of Deepfakes
12210290	ASMAT ALI	108	EVT	State of Health Prediction for EV Batteries using Machine Learning
12210300	BHARAT MEENA	108	EE	Development and Performance Analysis of a Reconfigurable Intelligent Surface (RIS) Assisted Communication System Simulation Framework
12210360	KUSHAL VERMA	108	EE	Design, Control and Implementation of Doubly Fed Induction Generator and Fuel Cell Based Micro-Grid
12210270	AMAN VERMA	108	ME	Study of Diesel Emulsification Process in Step Microchannel
12210390	NIDHISH THAWAREY	108	ME	Macroscopic Spray Investigation of ED95 Fuel in a Constant Volume Spray Chamber
12210500	SIDAGAM ROHIT	108	ME	Influence Of Process Parameters on Different Machining Characteristics in Bandsawing Operation of Rail Steel
12210380	MRATUNJAY SINGH	108	MT	Computer Vision and Machine Learning based System for Disease Detection in Plant Leaves
12210410	PALLAVI PANDEY	108	MT	Plant Disease Detection in Aerial Imagery

12210470	ROODRA PRATAP SINGH PARIHAR	108	MT	Multivariate Time series PLC data analysis for Bar and Rod Mill
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PhD: 5 Students

ID No.	Name	Clear Credits	Dept.	Thesis Title
11810010	ABHAY DEEP SETH		CSE	Discrete Event System Based Approaches for The Design Of Intrusion Detection System
11810180	USHA KIRAN	276	CSE	Protocol To Establish Trust on Biometric Authentication Devices
11810210	KISHOR KUMAR CHOUHAN	286	CY	Development Of Novel Catalytic Methods for The Easy Synthesis of Amides
11810260	SIVARAMARAO BODDA	186	EE	Protection Methods for Multi-DER AC Microgrid
11910080	SRIKANTA DEBATA	270	PH	Light-driven microrobots: Design, Dynamics Study, and Biological Applications

Revision in the conversion of program from MSc to Dual Degree (MSc - PhD)

A student may be allowed to convert his/her program from MSc to Dual Degree (MSc - PhD) program based on academic performance and subject to the recommendation of the Competent Authority. Conversion of the program is a privilege and not a right. In this regard, the following is proposed.

1. Eligibility:

All the MSc students of IIT Bhilai are eligible for program conversion subject to following:

- Students must have completed three semesters at IIT Bhilai.
- Students must have completed 54 credits by the end of the third semester as prescribed in the MSc curriculum.
- Students must have minimum **Eight (8) CGPA** by the end of the third semester without any F grade.

2. Conversion procedure:

- Conversion must be done before the beginning of the fourth (4th) semester.
- Conversion must be within the same discipline or department of the MSc program as applicable.
- Applications shall be submitted to the O/o Academic Affairs before 10th December.
- Application received within the deadline shall be forwarded to the respective DPGC Conveners for their departmental recommendation.
- The department shall conduct written and/or interviews and recommend the list of selected students to the Office of Academic Affairs for further processing.
- A maximum of 10% of the allotted seats for the MSc program in each discipline shall be allowed for conversion.

3. Curriculum and Minimum Credit Requirement:

- Students converted from MSc to Dual Degree (MSc - PhD) program must complete 126 credits.
- Students shall complete at least 60 credits of coursework and 60 credits of thesis to complete the Dual Degree (MSc - PhD) program
- The curriculum up to the third (3rd) semester remains the same as that for the MSc program. From the fourth (4th) semester onwards, the curriculum as well as policies of the PhD program shall be followed.

- A minimum of 24 credits of course with at least CGPA of 7 is required for appearing in candidacy examination. Research Proposal Seminar (where the student shall make a presentation on the proposed thesis work and on the state-of-the-art in that area) shall be held once the candidacy is cleared and shall be completed within 3 semesters from the conversion of program.

4. Operation:

- Institute fellowship shall be provided from 4th semester onwards for a maximum period of 05 years or till the date of wholesome thesis evaluation whichever is earlier subject to fulfillment of TA norms of the institute.
- The Institute shall provide separate MSc and PhD degrees (**Enclosure A**) and a consolidated transcript after successful completion requirement of Dual Degree (MSc - PhD) program (**Enclosure B**).
- The program name on the consolidated transcript will be mentioned as “Dual Degree (MSc – PhD)” and student shall be awarded a single CGPA for the entire Dual Degree (MSc - PhD) program.
- The students may request for withdrawal from the Dual Degree (MSc - PhD) program to respective DPGC convener. After acceptance of such withdrawal, MSc degree will be awarded subject to fulfillment of credits requirement for MSc program.

भारतीय प्रौद्योगिकी संस्थान भिलाई

शिक्षा परिषद की अनुशंसा पर
पाठ्यक्रम की निर्धारित अर्हताओं एवं

<<शोध का विषय>>
विषय पर शोध को सफलतापूर्वक पूर्ण करने पर

<<विद्यार्थी का नाम>>

को

<< डॉक्टर ऑफ फिलॉस्फी >>

की उपाधि उपाधिद्वय पाठ्यक्रम के अन्तर्गत प्रदान करता है।

संस्थान द्वारा मुद्रांकित यह उपाधि दिनांक
को प्रदान की गई।

**INDIAN INSTITUTE OF TECHNOLOGY BHILAI**

upon recommendation of the Senate hereby confers

<<Student Name>>

with the degree of

<<Doctor of Philosophy>>

*for successfully completing the prescribed dual degree program of study
and presenting the thesis entitled*

<<Thesis Title>>.

*Given this day the <<Date>>
under the seal of the Institute.*

कुलसचिव
REGISTRAR

अध्यक्ष, शिक्षा परिषद
CHAIRMAN, SENATE

अध्यक्ष, संचालक मण्डल
CHAIRMAN, BOARD OF GOVERNORS

भारतीय प्रौद्योगिकी संस्थान भिलाई
Indian Institute of Technology Bhilai



Consolidated Grade Card

भारतीय प्रौद्योगिकी संस्थान भिलाई
Indian Institute of Technology Bhilai
 Consolidated Grade Card

Name **XYZ**
 ID No **123**

Program **Dual Degree (MSc - PhD)**
 Discipline **XYZ**

Semester: 2020-21-M		SGPA: 8.71		
Course Code	Course Name	Course Type	Credit	Grade
CY501	Quantum Chemistry	PC	6	A-
CY502	Chemical Kinetics and Surface Science	PC	4	A
CY503	Coordination Chemistry	PC	6	B-
CY504	Chemistry of main group Elements	PC	6	A
CY505	Organic Reactions and Reagents	PC	6	B

Semester: 2020-21-W		SGPA: 8.4		
Course Code	Course Name	Course Type	Credit	Grade
CY507	Statistical Mechanics and Thermodynamics	PC	4	A
CY508	Molecular Spectroscopy	PC	4	A
CY509	Bioinorganic Chemistry	PC	6	B
CY510	Stereochemistry and Reaction Mechanism	PC	6	B
CY511	Physical Organic Chemistry	PC	2	A+
CY512	Thermal and Photochemical Reactions	PC	4	B-
CY604	Solid State Chemistry	PC	4	B-

Semester: 2021-22-M		SGPA: 8.25		
Course Code	Course Name	Course Type	Credit	Grade
CY506	Inorganic Chemistry Practical	PC	2	A
CY513	Physical Chemistry Lab	PC	2	A-
CY515	Computations in Chemistry	PC	2	B-
CY603	Organometallic Chemistry: Principles and Applications	PC	6	A-
CY605	Advanced Organic Chemistry	PC	6	D
CY607	Interpretative Molecular Spectroscopy	PC	6	A-
CY614	Biomaterials Science and Engineering	DE	2	A
CY699	Thesis	TC	6	A

Semester: 2021-22-W		SGPA: 8.47		
Course Code	Course Name	Course Type	Credit	Grade
CY514	Organic Chemistry Lab	PC	2	A-
CY617	Introduction to Solar Energy Material	DE	2	B
CY624	Chemistry of Heterocyclic Compounds and Natural Products	DE	6	D
CY627	An Introduction to Catalyst Design: Function and Application	DE	2	B
CY699	Thesis	TC	18	AAA

CGPA:

The student completed the credit requirements for the program in....

Assistant Registrar, Academic Affairs

SAMPLE

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* Course is **repeated** in higher semester(s) and hence shall NOT be considered for CGPA computations.

Course is **replaced** by another course in higher semester(s) and hence shall NOT be considered for CGPA computations.

$$CGPA = \frac{\sum_{i=1}^n (C_i \times N_i)}{\sum_{i=1}^n C_i}$$

where,

n is the number of courses eligible for CGPA computations,
 C_i is the credits assigned to the course, and
 N_i is the numeric points obtained for the course.

Grades and the associated numeric points

Grade	A+	A	A-	B	B-	C	C-	D	F
Points	10	10	9	8	7	6	5	4	0

CGPA Scale and Conversion

The institute award CGPA on a scale of 10 after the assessment of the students. The institute does not offer any formula for the conversion of CGPA to percentage or any other scale. However, wherever percentage is the norm, the CGPA of all IIT Bhilai graduates be notionally converted into percentage by multiplying the CGPA by a factor of 10. For the purpose of employment or requirement of any external body, IIT Bhilai graduate having 6 CGPA and above be taken as First Class.

Course Category Legends

AA: Additional Activity

IC: Institute Core

PC: Professional Core

DE: Departmental Elective

OE: Open Elective

TC: Thesis / Candidacy

CL: Creative Art/ Liberal Art

Medium of Instruction

The medium of instruction is English for all the courses.

Revision in the conversion of program from MTech to Dual Degree (MTech - PhD)

A student may be allowed to convert his/her program from MTech to Dual Degree (MTech - PhD) program based on academic performance and subject to the recommendation of the Competent Authority. Conversion of the program is a privilege and not a right. In this regard, the following is proposed.

1. Eligibility:

All the MTech students of IIT Bhilai are eligible for program conversion subject to the following:

- Students must have completed two regular semesters.
- Students must have a minimum of **Eight (8) CGPA** by the end of the second semester without any F grade.

2. Conversion procedure:

- Conversion must be done before the beginning of the fourth (4th) semester.
- Conversion must be within the same discipline or department of the MTech program as applicable.
- Applications shall be submitted to the O/o Academic Affairs. Applications received from eligible students after their W semester till first week of July and after their M semester till mid December shall be considered for M and W semester respectively.
- Application received within the deadline shall be forwarded to the respective DPGC Conveners for their departmental recommendation.
- The department shall conduct written and/or interviews and recommend the list of selected students to the Office of Academic Affairs for further processing.
- A maximum of 10% of the allotted seats for the MTech program in each discipline shall be allowed for conversion.

3. Curriculum and Minimum Credit Requirement:

- The minimum credit requirements for Dual Degree (MTech - PhD) program is 108 credits (Minimum thesis credits - 60 and Minimum course credit - 30).
- The curriculum before conversion remains same as that for MTech program. After conversion to dual degree program, a student shall register for thesis/course work as applicable for PhD students and follow the policies of PhD program.
- A minimum of 24 credits of course with atleast CGPA of 7 is required for appearing in candidacy examination. Research Proposal Seminar (where the student shall make a presentation on the proposed thesis work and on the state-of-the-art in that area) shall be held once the candidacy is cleared and shall be completed within 1 year of the conversion of program.

4. Operation:

- Institute fellowship for PhD program shall be provided, from the beginning of semester from which program is converted, for a period of 5 years or till wholesome thesis evaluation whichever is earlier subjected to fulfilment of TA norms of the institute. However, fellowship shall be processed once candidacy is cleared.
- The Institute shall provide separate MTech and PhD degrees (**Enclosure A**) and a consolidated transcript after successful completion requirement of Dual Degree (MTech - PhD) program (**Enclosure B**).
- The program name on the consolidated transcript will be mentioned as “Dual Degree (MTech – PhD)” and student shall be awarded a single CGPA for the entire Dual Degree (MTech - PhD) program.
- The students may request for withdrawal from the Dual Degree (MTech - PhD) program to respective DPGC/IPGC convener. After acceptance of such withdrawal, MTech degree will be awarded subject to fulfilment of credits requirement for MTech program.

भारतीय प्रौद्योगिकी संस्थान भिलाई

शिक्षा परिषद की अनुशंसा पर
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*Given this day the <<Date>>
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कुलसचिव
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CHAIRMAN, SENATE

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DE: Departmental Elective

OE: Open Elective

TC: Thesis / Candidacy

CL: Creative Art/ Liberal Art

Medium of Instruction

The medium of instruction is English for all the courses.

EXIT POLICY

S No	Program	Proposed policy			
		< 1 year	1-2 years	2-3 Years	3-4 Years
1	BTech	NA	UG certificate in discipline/department	UG Diploma in discipline/department	BSc in discipline/department
2	MTech	NA	MSc in discipline/specialization/department	-	-
3	MSc	NA	BSc Honours or BSc Honours with research if 12 credits of project work have been completed.	-	-
4	PhD	NA	PG Diploma in discipline/department (after 2 years for direct PhD)	MS (R) in discipline/department (after 3 years for direct PhD)	

Note: Subject to clearing of nominal load during the registration period.