



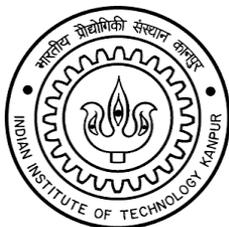
Academics and Career Council
Students' Gymkhana
Indian Institute of Technology, Kanpur



END-TERM REPORT

Academics and Career Council

2021-22



Research Wing

Initiatives & Events

1. Creating a database of research facilities available at the campus in all labs:

There are many labs and research facilities subject to multiple departments and in case of any major failure, we are unable to carry out our research if sufficient information about these research facilities is not known. To tackle this problem, we will create a database having information about all research facilities/instruments in various departments.

Goal 1: Gather information about the research facilities available in labs of all departments. (Department wise facilities and their descriptions, Location, Lab in charge Contact, Booking procedure, Charges per slot) It can be found [here](#)

Status: Completed

Goal 2: Preparing a common database/portal where all the facilities information is stored for ease of access.

Status: In Progress

2. Interactive session with alumni and entrepreneurs



Contacting start-up developers to arrange an interactive session to showcase their journey for researchers who aim to go in their paths. Discussion with such personalities can aim in building the right track for any start-up especially those who want to try it after their PhDs.

Status: COMPLETED

- **Research from Abroad (July-21)**

Invited Dr Sujan Pal (the University of Illinois US, Former Engg. At Power Grid corp. Ltd.) and Mr Abhilash Ojha (PhD, University of Minnesota, Former scientist at ISRO) for this talk.

- **Informative session on PMRF scheme for PhD Students (Aug-21)**

Invited Ananya Mukherjee (PhD, IIT Kanpur) and Nilesh Pandey (PhD, IIT Kanpur) for this talk.

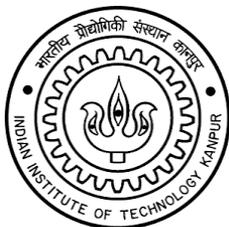
3. Conduction of workshops aiming to help Research students

Software tools are general to almost every other researcher in their path to goal completion. Arranging workshops in these tools can aim in bringing easiness to the process of thesis completion and publications.

- **Statistical Discovery for Research Using JMP (Jan-2022)**

We have invited Dr Muralidhara Anandamurthy for this session.

This workshop will help in developing Statistical Thinking in Researchers. It includes an introduction to JMP and Measurement Scales, Data Visualization - Graphs, Plots,



Charts, and Interactive Visualization, Distribution, Descriptive Statistics, Correlation and Regression, Multivariate Analysis etc.

- Other workshops were conducted during Research Conclave and SRC'22

4. Research Conclave:

To enhance the technical writing skills required for research work, for the first time, Research Conclave was conducted for PG students that were specially dedicated to technical writing and it covered the majority dimensions of technical writing. One week-long event consisted of the following workshops:

- **Art of Writing a Research paper Workshop**

Two days workshop covering minute details of the technique of writing a research paper was conducted. Speaker for the event: Yateendra Joshi, Member, Board of experts[US] National Association of Independent Writers and Editors. Four sessions were conducted across two days:

- ❖ **Session 1: Handling numbers and organising data into tables:** Counting and measuring set science apart from other pursuits. Generating first-hand data from your own experiments is the heart of the research. The session offers answers to these and similar questions :

- How should multi-digit numbers be printed (123,000 or 123 000 or 1,23,000)?
- Which is the recommended symbol for the litre, L or l?
- When should data be rounded off drastically and when not at all?



- How can I make tables more compact?
- What is the correct alignment for numbers in a column?
- How do I indicate missing data?

❖ **Session 2: Delivering effective presentations:**

From defending a doctoral thesis to presenting a project proposal, today's research increasingly depends on presentations at meetings and conferences as a means of communication. The session on presentations offers proven techniques to get technical information across to a live audience, and answers these and similar questions.:

- Is there a formula to calculate the right font size?
- How do I know whether I am speaking too fast or too slowly?
- How long should I hold each slide of text for the audience to read it?

❖ **Session 3: Handling citations and references:**

If you have ever been exasperated by a journal's insistence that you follow its style exactly in formatting references, this session will show you how to manage this task more efficiently, and answers these and similar questions.

- When do I use et al. in citations?
- What is the difference between references and a bibliography?
- How do I cite web pages and other electronic documents?

❖ **Session 4: Publishing papers in**

high-impact-factor journals: Research papers published in peer-reviewed journals remain the



single most often used criterion to evaluate scientists. The session seeks to explain the detailed instructions journals expect their authors to follow and shows how to win the game by answering these and similar questions.

- How do I select the right journal for my paper?
- What are the most common reasons for a paper being rejected without a review?
- How long should I wait after submission to enquire about the paper's fate?

- **Hands-on training on Latex:**

Latex is one of the most efficient tools to write Research papers, theses and books. A beginner-friendly "Hands-on training on Latex " was conducted by Gyanajyoti Routray, PhD, EE, IIT Kanpur. His varied experience with the tool helped students to clear their queries regarding the use of the software tool.

- **Thesis Writing Workshop:**

Although publications are crucial for post-graduation, they are still not compulsory for many. But one this is a must for getting a postgraduate degree, be it master's or PhD, i.e. THESIS. So we conducted a workshop on "How to write a good thesis?". With a focus on the thesis writing, both for Masters and PhD students, the aspects and philosophy were discussed from a reviewer's perspective. The formal sections needed in the thesis (for research) & extension to technology transfer were also presented. Speaker for the event: Dr.Kantesh Balani, Professor, IIT Kanpur. He is a reviewer of 50+ technical journals from Elsevier, Blackwell Publishing Inc., Wiley,



Springer, Hindawi, Highwire, MRS India/INSA, ACS Publications, Institution of Civil Engineers and American Society of Metals.

5. Repository for Research papers:

A repository for discipline wise as well as a content library containing research papers published by IITK students and professors can be organized so that instead of searching in worldwide platforms a few keywords with specifications in the repository can lead us in providing the desired material for our work.

Status: In-progress

6. Database containing Lab wise list of students:

For guide selection and course, selection freshers need to take advice from their seniors. We have observed that students find it difficult to contact seniors of a particular lab they are interested in, as they do not know anyone in the beginning. Especially in the online semester going on. So we will create a departmental database where there will be a list of the students working in various labs and faculties with their IITK mail IDs.

Timeline: Creating student's database: Feb-Mar 2022

Status: In-Progress

7. Student research convention

The council organised the 5th edition of the Students' Research Convention (SRC'22) from 4th - 6th March 2022. The event is planned to be conducted with the aim of promoting an inclination towards research among students, both UGs and PGs, and engaging them in discussions about life in academia. SRC aims at bringing enthusiastic researchers with



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Indian Institute of Technology, Kanpur



disparate experiences and exposures together to provide them with a platform to present and share their research experiences, while also providing students with an opportunity to engage with leading researchers across the globe through keynote lectures, panel discussions, and workshops.

Events organised were:

a. Talks:

i. InVAR: Industrial vs Academic Research [2 Guest speakers]

InVAR aims to bring together top industrialists and people from academia to discuss the challenges to industry-academia collaboration and ways to overcome these challenges. There will be a panel discussion with a focus on understanding how the culture and nature of research in these two domains with hugely disparate goals differ and what are the effective measures to bridge the gap between industry and academia.

Talk by Rakesh Mishra and Prof. Yogesh Chauhan

Rakesh Mishra is the Director of the Tata Institute for Genetics and Society, Bangalore, while Prof. Yogesh Chauhan is a Professor in the Department of Electrical Engineering IIT Kanpur.

ii. BeER: Because even Entrepreneurs Research [1 Guest speaker]

It takes a lot of resources to discover new things, but in the end, discoveries are useless if not used for the benefit of society. SRC'21 would like to give a platform to provide students and researchers to showcase their research, along with providing various outlooks on it and pitching it as a



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Students' Gymkhana
Indian Institute of Technology, Kanpur



startup idea. BeER is being organized to introduce researchers to the entrepreneurial scope of research. The talk aims to motivate participants through real-life stories of the speakers and their varied experiences as researchers turned entrepreneurs, in a way facilitating the understanding of how researchers come with innovations while entrepreneurs make that research useful by making it available to society.

Dr. Sandip Patil

He is an entrepreneur, technologist, founder, and managing director of E-Spin Nanotech Pvt. Ltd. at SIDBI, IIT Kanpur. Amidst COVID-19, his E-Spin based SWASA facemask had reached out to almost all subcontinents of India. This facemask had the most effective protection against bacteria and viruses.

iii. WiRE: Women in Research [2 Guest speakers]

Gender equality in science is not merely a question of fairness. To strengthen research, the total human capital must be utilized. A better gender balance will mean that the universities, colleges, and research institutes will secure the best talents from both sexes, as well as reflect population diversity. As a body designed to look over the academics and research at IIT Kanpur, the Academics and Career Council plans to introduce women into the research pipeline as an attempt to empower gender equality on the campus and improve the quality and quantity of scientific research on the campus.

Dr. Priyanka Bagade, CSE department, IIT Kanpur

She is currently serving as an Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology, Kanpur. Prior to that, she worked as a Software Architect at Intel Corporation for 5 Years. She



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Students' Gymkhana
Indian Institute of Technology, Kanpur



completed her PhD in Computer Science from Arizona State University.

Prof. Srinidhi Balasubramanian

She is currently serving as an Assistant Professor in the Environmental Science and Engineering Department at the Indian Institute of Technology, Bombay. Prior to that, she worked as a Postdoctoral Researcher at the University of Minnesota. She completed her PhD in Environmental Engineering from the University of Illinois Urbana-Champaign. Her research focus is on air pollution, reactive nitrogen, and the sustainability of agriculture and food systems.

iv. SpaRE: Space and Research : [3 Guest speakers]

In recent years, India and the world, as a whole have seen immense development and achievement in the domain of Space Research. From the launch of Mangalyaan to SpaceX implementing its reusable rocket at even greater scales, the domain of Space exploration has attracted much attention and excitement from all around. The field, as of now, has become a hot topic of research and is progressing at an even faster rate. This directly points out the necessity to create awareness and motivate the students to pursue research with larger applications in this sector as well. Following this, the agenda for organizing the SpaRE talk comes up. The exponential progress in the field of Data Science directly points out the necessity to create awareness and motivate the students to pursue research with applications attesting to the domain of Space Sciences.

Talk by Dr. Goutam Chattopadhyay

He is a Senior Research Scientist at the NASA's Jet Propulsion Laboratory and a Visiting Associate at the Division of Physics, Mathematics, and Astronomy at the California Institute of



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Students' Gymkhana
Indian Institute of Technology, Kanpur



Technology. He is also a distinguished Chair Professor at IISc, Bengaluru, and an Adjunct Professor at the IIT Kharagpur. He has received several notable awards, including more than 35 NASA technical achievement and new technology invention awards, IEST distinguished alumni award and IETE Prof. S. N. Mitra Memorial Award.

Talk by Prof. Shiv Sethi

He is an Associate Professor at the Raman Research Institute, Bengaluru.

Talk by Prof. Jayaram Chengalur

He is presently a member of the National Centre for Radio Astrophysics at the Tata Institute of Fundamental Research. He moved to Cornell University for his doctoral studies, completing his PhD in 1994. Following this, he worked as a postdoctoral fellow at the Netherlands Institute for Radio Astronomy (ASTRON) in the Netherlands, before joining the National Centre for Radio Astrophysics in 1996. He is a Fellow of the Indian Academy of Sciences, the National Academy of Sciences, India, and the Indian National Science Academy.

v. Am I On The Right Track (AIORT): [2 Guest speakers]

Talk by Prof. Manindra Agrawal and Prof. Avinash Agrawal

Manindra Agarwal is a Professor in the Department of Computer Science and Engineering while Avinash Agarwal is a Professor in the Department of Mechanical Engineering, both being esteemed professors at IIT Kanpur.

b. Workshops :

i. Intellectual Property Rights (IPR) Workshop: Ms Namrata Chada and Mr Amit Koli



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Students' Gymkhana
Indian Institute of Technology, Kanpur



Both speakers are patent attorneys at K&S partners, And through this, a workshop will inform about patent rights and will guide students on how to prototype a product.

ii. **Climate Change Workshop: Climate Change: It's now or never by Carbon Initiative Forum (CIF).**

iii. **Workshops on “How to Increase Research Paper Acceptance in Top Journals?”**

In this event, we have covered 5 domains, Mechanical Engineering, Electrical Engineering, Computer Science Engineering, Material Science Engineering, and Sustainable Energy Engineering. The speakers of the sessions are none other than the esteemed professors of IIT Kanpur who are currently the Editors or Reviewers of top journals in their field.

a. Mechanical Department:

Prof. J Ramkumar of the Mechanical Engineering Department, IIT Kanpur was the speaker.

Reviewer in technical Journals from Elsevier, Blackwell Publishing inc., Wiley, Springer, Highwire, ACS publications, Institution of civil engineers and American Society of metals, etc.

b. Electrical Department :

Prof. Ketan Rajawat of the Electrical Engineering Department, IIT Kanpur was the speaker.

Editor in IEEE Communications Letters and IEEE transactions on signal processing.

c. Material Science:

Prof. Krishanu Biswas, MSE department of IIT Kanpur was the speaker.



Academics and Career Council
Students' Gymkhana
Indian Institute of Technology, Kanpur



Editor in Transactions of the Indian Institute of Metals (Springer), STM Journals

d. Sustainable Energy:

Prof. Lalit Pant, Associate Professor of the Sustainable energy department, IIT Kanpur was the speaker.

Reviewer in Journal Computational Materials Science, Journal of electrochemical Society, International journal of heat and mass transfer, Scientific Reports(Nature), Chemical engineering Science, Energy, and Fuels, etc.

e. Computer Science:

Dr. Arnab Bhatt, Department of Computer Science and Engineering, IIT Kanpur was the speaker.

Editor for the Journal distributed and Parallel Databases, Data mining and management part of the journal frontiers in Big Data.

iv. **Master the Art of Publishing in Top Management Journals.**

We have invited **Prof (Dr) Justin Paul**, University of Reading, UK & University of Puerto Rico, USA, who is currently **Editor in Chief, International Journal of Consumer Studies, USA** (Cite Score 7.0) for this event.

He is ranked among the world's top 0.1% highly cited researchers based on Web of Science statistics with citations increasing to 500 per month in 2021 with an H Index 46. A former faculty member with the University of Washington, he serves as a Full Professor of PhD. & MBA programs, University of Puerto Rico, USA, and holds a concurrent appointment at Henley Business school, University of Reading, England for 3 years. Dr Paul is an author of over 130 research papers in SSCI journals and has over 70 papers in A or A star journals.



8. Other Events :

- i. Documentary Screening: David Attenborough | A Life on Our Planet

PG Academics Wing

Work Completed

1. Orientation for both Summer & Winter Sessions (Aug 2021 & Jan 2022)

Till now the PG academics orientation was held by academics AnC only once a year. For the first time, PG AnC organized the PG academics orientation for both Summer and Winter sessions. The Summer Academic Orientation was a success and got a great response and lots of enthusiastic questions in the Q&A round at the end of the session.

The winter orientation was named Academic Orientation 2.0 and also got a huge response from the freshers. It also cleared a lot of doubts related to the academic system at IIT Kanpur and also helped them in registering for the course work.

2. MATLAB Workshop by the MathWorks team (October 2021)



PG AnC academics wing also organised a One-day MATLAB Workshop for the students. This was taken by the professional MathWorks team (led by Dr. Dhruv Chandel who is a Senior Engineer with the Education Team at MathWorks). This workshop was held in two 3-hours sessions on 23-Oct-2021. The workshop enhanced the coding skills and made the students more acquainted with the MATLAB software and its capabilities (like ODE solving, App making, Machine Learning, Simulink etc.).

Due to the enthusiastic response and feedback from students, a second round of the Workshop with advanced topics is scheduled in Feb this year (2022).

3. PMRF session (December 2021)

We also conducted a seminar on the Prime Minister's Research Fellowship (PMRF) that proved to be a great help for the students who were going to apply in the December-2021 cycle of this prestigious scholarship. This session was primarily for those students who were planning to pursue a PhD from India with a good funding scheme. The speakers were Akanksha Jain (Y19 PMRF) and Shivangi Mittal (Y19 PMRF). We got a huge response in this session also and this added another feather to the ANC's success cap.

4. Add/Drop Informal Session (August 2021)

Our team conducted an informal session to clear the doubts of the freshers regarding the ADD/DROP process in the course registration. The Associate Head of the academics team was the speaker in this session and the Q&A session was answered by the whole team (including the wing Managers & Secys). This session was done in response to a large number of



emails the AnC-academics wing was getting regarding the Add/Drop process during coursework registration. We also kept a separate Q&A session at the end of Academic Orientation 2.0 for the same.

5. DPGC Nominee Selection (Oct-Nov 2021)

To select the Students' Senate Nominees for the DPGCs 2021-22, we conduct a series of interview sessions. This was the biggest and most involved process for the PG academics team, as it required coordination at various levels of student bodies and institute administrative bodies. Different panels from different departments consisting of old DPGC nominees and PG Academics wing members were made for this process. In the end, we were successfully able to select the Nominees to the DPGCs in spite of the bleak response from the students for occupying these posts in parallel to their research work

6. Online Workshop on MATLAB and Simulink (March 2022)

Based on enthusiastic feedback from the last session, PG Academics and Career Council (AnC) and Society of Aerospace Engineers (SAE) collaborated to jointly organize a two-day "Workshop-2.0 on MATLAB and Simulink, conducted by Mathworks" on the topics suggested by the students. The timing of the workshop was also appropriate for the incoming winter batch freshers. And this was reflected in 300+ registered students for the workshop. The speakers were invited from the MathWorks team, and the workshop was structured for two days 12th March (Session 1) and 26th March (Session 2).



This session was taken by Nikhil Sonavane who is an Education Technical Evangelist at MathWorks based out of Pune and Pratyush Roy who works as part of the Engineering Development Group, MathWorks Hyderabad. This session has also helped many students get hands-on knowledge and expertise in the software. Certificates from MathWorks were also provided to the registered students for attending the workshop.

7. Personal Finance - Basics of Money Management" (March 2022)

To address the crucial aspect of "Financial Wellness", the PG Academics Wing of Academics and Career Council (PG-AnC) organised an insightful session on "Personal Finance - Basics of Money Management". This session provided a 360-degree view of the financial picture of an individual and promised to help one overcome the obstacles to wealth. The session was addressed by Mr Aditya Ghosh, Consultant, SOLEIL SERVICES, and an Engineering graduate with a Master's Degree from Bristol University, UK and MBA from IMT Ghaziabad. The session also got an excellent response as was reflected by a 45+ min Q&A session. The speaker also appreciated the efforts of the AnC team and the knowledge and enthusiasm of the IITK junta.

Upcoming events

1. Lecture Series on Women in STEM:

STEM is a common abbreviation for four closely connected areas of study: Science, Technology, Engineering and Mathematics. The fields are often associated due to the similarities they share both in theory and practice. Till now, the representation of women in these fields has been much less compared to men. The push for increasing the number of



women employed in STEM-related fields is something that several women scientists across the world have been calling for. We are PG Academics & Career Council (PGAnC) of IIT Kanpur going to start an interview series on Women in STEM on 23rd April 2022.

International Relations Wing

Completed Initiatives:

1. **INSPIRE SESSION 1:**

This session was conducted to help those who are planning to apply for PhD abroad. The outcomes of the talk were pre and post-application planning, application procedure, and Decision making. Mr Richi Bansal (University of Minnesota), Mr Deepayan Banik (University of Toronto), and Mr Sohanjit Ghosh (Johns Hopkins University) delivered the talk.

2. **Joint Degree Programs in Germany:**

The session was conducted on the 14th of August with the coordination of DAAD India. Mrs Anurupa Dixit was the speaker. It was conducted to make students aware of the Full PhD & PhD Sandwich Programs in Germany and DAAD Scholarships. It also covered funding opportunities for bi-nationally supervised doctoral programs. Such programs are similar to the sandwich model where the doctoral project is jointly supervised by a professor at IITK and an academic advisor at the host institute in Germany. Doctoral candidates start their doctoral degrees at IITK but subsequently, spend some time in Germany for their research.



3. Orientation Program:

For many exchange programs, only first-year PhD students are eligible. Most of the students miss them as, during their first year, they are unaware of the opportunities available at IITK. So to solve this issue, we conducted orientation for the incoming batch of '21, so that they get a head start of all the opportunities for different interns, dual degree programs and exchange programs with universities having an MoU with us.

4. INSPIRE SESSION 2:

This session was conducted to help applicants for the DAAD KOSPIE application which is an exchange program with German Universities. The outcomes of the talk were pre and post-application planning, application procedure, and Decision making. DAAD young ambassador Humera Khatoun Siddiqui (TU Darmstadt), Gowtham Muthuswamy (TU Braunschweig), Dipti Bharti (Helmholtz Institute), Manika Bhardwaj (University of Kassel) delivered the talk.

The session also covered the various doctoral programs in Germany including the application process, securing funding and fellowships, and tips about staying in Germany.

Initiatives Under Action:

1. Guide for Exchange Programs :



The IR wing is preparing proper documentation on exchange programs. These documents will include all the information regarding existing exchange programs available for PG students and all the information related to these exchange programs like what are the prerequisites of the program (eligibility criteria), application procedure, and scholarship. So if anyone wants to pursue any program then he/she will get a fair idea about the same.

Status: We have collected some data from seniors. We are also seeking help from OIR. Then we will compile the data and will complete the documentation.

2. Joint PhD Programs Database :

We are working on updating the existing database of the Joint PhD program on the OIR website.

- Eligibility criteria (CPI/credits/duration of study at the home institute).
- Note: The above information will vary depending upon the host institution's location.
- Additional info like GRE/TOEFL/IELTS score (mandatory/desired).
- Portfolio requirement for Design and Allied branches.
- Date of opening of application every year.
- Extra information like monthly expenses at the host institute/country will be mentioned so that students will have options to apply based on their different financial backgrounds.
- Scholarships/Stipend information in the host institution.

3. Database of the students:



The current situation of the pandemic has evidently created a barrier between the Y20 and senior batch. Due to that, students who are interested in PhD from abroad are facing difficulties in finding connections in particular universities. To fill this gap we are working on creating a database of the past 3 years passed out students who are pursuing PhD from universities across the globe. This data will provide a direct opportunity for PhD aspirants to interact with the alumni and get a personalised view of the coursework and scenario over there. In addition, it will create a storing network of alumni and current academia which is of great need in today's situation. (Team will take the consent of the concerned students before sharing their details with interested students)

Career Development Wing

Work Completed:

1. "Placement Buddy Talks" Series for PG students (Jun – Aug 2021)

Career wing conducted this series specifically for PG students giving them an opportunity to have live interaction with their seniors regarding placements, experiences on recruitment, internship models and best practices. Considering the ongoing pandemic where many could not interact with their seniors this proved to be a transformational event. Such a series is launched for the first time for PG Students. Under this series following talks were held:

- **Mr. Avijit Roy, MSR 2018 CSE, Microsoft, Data and Applied Scientist**



- **Ms.Vaishali Patel, M.Tech 2019 CHE, Management Trainee, Navin Fluorine International Limited**
- **Mr. Soumyadeb Ghosh, M.Tech 2019 CHE, Management Trainee, Navin Fluorine International Limited**
- **Vivek Pandey, M.Tech 2019 CE, Machine Learning Engineer, Climate connect, a ReNew Power Company**
- **Anshul Shah, MBA 2019-21 IME, Senior Business Analyst, Tiger Analytics**
- **Naveen Bagga, MBA 2019-21 IME, Deputy Manager - Business Analyst, Reliance Jio Infocomm Ltd**
- **Ms. Sanghamitra Banerjee, MTech 2018-20 MSP, Section Engineer**
- **Research and Development, ArcelorMittal Nippon Steel India Limited**

We specifically targeted non-circuitual branches and focused on core profiles from those branches and that is another plus point of these sessions. All the sessions were held online on the zoom platform. We recorded every session and provided recordings of all sessions for future reference. We have received a huge response and good feedback from the PG community for such interactive talks.

2. Online Course on Data Structures and Algorithms by ProxyPrep:

ProxyPrep is a team of software engineers who are working in top tech. companies like Google, Amazon, and Flipkart. They provide all the services to help a candidate prepare intelligently and grab the offer from their dream companies.

An 8 week long online DSA course was conducted for helping students in placement preparation. Besides learning data structures and algorithms, it is essential to practice timed DSA tests since plenty of companies conduct shortlisting tests. Therefore, we conducted a **DSA test series (4**



bi-weekly) with timed tests similar to the ones conducted by companies, along with one **mock interview** from an industry professional, in collaboration with ProxyPrep. The price for each of these interviews was negotiated below the market prices, especially for the students of IIT Kanpur.

3. Coding Ninja Test Series:

Hosted Mock Test series for helping students prepare for the placement season also provided the resources to give everyone an idea of topics for preparation.

4. Mock Interviews (By InterviewBuddy)

Mock Interviews were organised for the students sitting in the placement season this year, in collaboration with InterviewBuddy. Conducted 95 **coding** and 65 **data science** mock interviews with detailed feedback reports. The price for each of these interviews was negotiated below the market prices, especially for the students of IIT Kanpur.

5. PCB Design and Research Applications Workshop:

A 5-Day Skill Development Program (SDP) on "PCB Design and Research Applications, PDRA-2022" was conducted in Jan'22 in collaboration with Annat Gyan Knowledge and Skills Pvt Ltd. This program aimed to benefit all researchers, research scholars, and working professionals (corporate researchers). **158 PG students** participated in this program. It was scheduled as follows:

- Day 1: **Circuit Fabrication Concepts**
- Day 2: **Arduino and Applications**
- Day 3: **Printed Circuit Boards in Simulation**
- Day 4: **Neural Networks Applications using NN Toolbox**
- Day 5: **Fuzzy Logic Control Applications using Fuzzy Toolbox**



Proposals

1. Relaxation in End Semester Exams During Covid-19 surge (April-22)

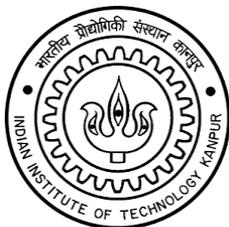
A survey was conducted by the PG AnC to know about the situation of students during a pandemic to propose relaxation in End Sems. The survey report has indeed played a crucial role in conveying the message about your situation to the administration and all the faculty members. It drew their attention to the hardships that students are going through in these tough times. Although the end sems was not officially cancelled, this proposal had a great impact and many professors themselves scrapped end sems for their course. First time in the history of IIT Kanpur such a major decision was influenced by the presentation of the report by the student representative.

2. To have an internship drive Master's students through SPO

This proposal was passed by the Students' Senate in the 3rd Senate meeting held in January. The proposal is in discussion with SPO. The proposal can be found [here](#)

3. To have an internship drive Master's students through SPO

This proposal was passed by the Students' Senate in the 3rd Senate meeting held in January. The proposal is in discussion with Technopark. The proposal can be found [here](#)



Other Accomplishments

1. Council got recognition among PG students:

As the AnC Council is still new compared to the other councils, it was not very well known among the PG Students. To overcome this, massive promotion was done by the team members. With the official social media handles, each event was promoted on the individual social media handles of core team members. As a result, now the council is very well known among the PG students.

2. Huge increase in PG Participation:

This year council focussed on conducting more and more PG specific events that are beneficial for PG students for either their placements or research work. As a result of which there was a huge increase in PG participation. Even after having online tenure, every event (apart from department-specific events) had an average of 100 participants or more.

3. Recordings provided on YouTube Channel :

As many of the students might miss the event due to some other academic involvements or time clash, we decided to provide recordings of all events openly to all students. Hence recordings of all events for which we had permission from the speaker to share, were uploaded on our YouTube Channel [PG AnC IITK](#). This got a very good response from the PG community. The channel has approximately 2K subscribers.



Recommendations

- **Special Orientation from Gymkhana for PG Freshers of both Summer & Winter :**

PG participation in Senate has always been questioned. To increase it, it is very important to make PG freshers aware of various activities and structures of Gymkhana in orientation itself. This year, summer orientation was only conducted by the Games & Sports Council and Academics & Career Council. As for MTech students they have only 2 years and by the time they come to know about this their final year begins. PG Students come in 2 batches: Summer & Winter. So we should have a proper orientation during both times.

- **Separate Associate Heads for UG & PG AnC Council :**

During my tenure, there has been no involvement of UG Associate Heads in PG Council (Apart from SRC). Both the councils work independently, so there should be separate Associate Heads for both the councils.

- **More work towards creating academic databases for various things for PG Students needs to be done:**

We tried to create various databases but some of the work is still in progress. I would like next year's team to continue that work.

- **Updation of AnC website :**

More resources to help academics and placement of PG Students should be added to the AnC website.



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**THANKS FOR THIS OPPORTUNITY, I HOPE
I SERVED THE PURPOSE WELL :)**

- Signing off

Khushbu Kishnani

General Secretary (PG), Academics and Career
Students Gymkhana, IIT Kanpur