

Research and Development Policy

Sr.	Item	Page No.
	Summary of Research and Development Policy	1
1	Establishment of Research Advisory Board	2
2	Establishment of Research Steering Committee (Research Forum)	5
3	Roles and Responsibilities Dean (R&D) Research Forum	6
4	Norms and standards for research grant policy (Seed Money)	8
5	Faculty Deputation and sponsorship policy	11
	Policy for research expenditures for funded projects	13
6	Policy for distribution of consultancy charges	14
7	Purchase Procedure for funded projects and consultancy grants	14
8	Review and research audits	22
9	Responsibilities of a Research Investigator	22
10	Policy to check malpractices and misconduct in research	23
11	Extension activities for neighboring community	32
12	Eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge	33

Research and Development (R&D) Policy:

Sanjeevan Engineering and Technology Institute (SETI), Panhala is a well recognized Institute imparting quality technical education since last 15 years. For accomplishment of the Vision & Mission of the Institute, laying foundation for high quality research and inculcating research culture among all the stake holders of the institute is necessary. The objective of Research & development initiatives undertaken by SETI, Panhala is to establish research culture and facilitate development of faculty and students.

Institute enrolls total 73 faculty members out of which 8 are Ph.D. holders and more than 10 are pursuing their Ph.D.s. Improving high-quality scientific research is a necessary requirement for creating successful applications for society needs. All the efforts towards research, development, consultancy and innovation of this Institute aim at improving and strengthening research culture in the institute to contribute towards societal benefits. Following are some initiatives undertaken by the institute for strengthening research culture

- As part of local management committee, Dean (Research, Development Industry liasoning) has been appointed for policy making and initiating various research and development related activities. To percolate the policies and vision related to research in every department of the institute, Research Coordinators have also been appointed.
- For development of the faculty, efforts such as deputing faculty for internship in industry, deputing for collaborative research, encouragement for PhD, facilitating for knowledge creation, faculty development programs and trainings, etc. are undertaken.
- Based on individual expertise every faculty is encouraged to generate funds through consultancy/research projects/training/patents.
- Faculty member actively contributing in research is appreciated by the institute through awards and recognition.
- To bring out research potential of the students, institute is doing significant innovations in the Teaching – Learning process such as project based learning, technical activities,

semester long internships to industry/research organizations etc.

The various components and processes of the research culture of the institute are described below

1. Research Advisory Board (RAB)

Preamble:

The mission of the Research Advisory Board (RAB) is to increase the quantity and quality of Academic Research, Sponsored Research, Consultancy, Training etc. at Sanjeevan Engineering and Technology Institute, Panhala.

Objectives:

The objectives of the Research Advisory Board are:

- To provide policy guidelines and to streamline the process of developing research proposals.
- To establish mechanisms for coordinating research at different levels and give direction for the growth and development of research activities.
- To advice on thrust areas and disciplines for research activities for future development in research.
- To advise to improve the existing infrastructural facilities both for academic and sponsored research and enhancing research ambiance.
- To facilitate grant writing and identify the funding agencies.
- To identify and recommend research collaboration with reputed research institutes / centers.
- To establish training program related academic research activities.

A **Research Advisory Board (RAB)** is formed to for formulating the overall research policies and guidelines for the institute. The RAB will monitor the activities under R&D cell and will guide the cell to organize and perform the various activities for effective functioning of the cell. The board provides guidance and strategic input on how the RSC of the institute can best meet the needs of members.

Composition:

The board formulated is as follows. The tenure of this board will be of three years. Honorarium, TA/DA and Accommodation will be provided to all the members for attending the meetings as per DBATU, Lonere norms. The minimum quorum required to conduct the meeting is 50 %.

S.N.	Name of the Member	Designation & Affiliation	Role
1.	Dr. Sanjeev N. Jain	Principal	Chairman
2.	Dr. Suhas G. Sapate	Dean- Research & Development	Member Secretary
3.	Dr. Sachin M. Pore	Dean R&D, DBATU, Lonere	University Nominee
4.	Mr. Arvind N. Parushetti	Ex. Scientist, TIFR, Mumbai	Industry Nominee
5.	Dr. Rajesh Ingle	Professor, IIIT Naya Raipur	Member-CSE
6.	Dr. Dhananjay Talange	Professor, RIT, Sakhrale	Member-Elect
7.	Dr. K. B. Prakash	Professor, SGBIT, Belagavi	Member-Civil
8.	Mr. Avinash Puranik	DY GM, SCM, inYANTRA, Pune	Industry Nominee
9.	Mr. Rajesh Mangire	Program Manager, Tata Technologies, Pune	Industry Nominee
10.	Dr. Deepak C. Sonawane	Dean, R&D, SSVPM CoE Dhule	Member-Mech
11.	Dr. Saurav Mitra	Professor, Dept. of E&TC, Gogte Institute of Technology, Belagavi.	Member, E&TC
12.	Dr. Akshay Dudhane	Research Scientist, MBZ University of Artificial Intelligence, Abudhabi,UAE.	Member-IT
13.	Dr. Prashant Patil	Asst. Prof. Mehta Family School of Data Science and Artificial Intelligence, Indian Institute of Technology, Guwahati, India.	Member-Data Science & AI
14	Dr. Chirag Modi	Associate Professor, National Institute of Technology, Goa.	Member-CSE

Frequency of Meetings:

The meeting of the board will take place twice a year; possibly at the beginning of each semester. The convener of the board shall ensure the scheduling of the meetings on a convenient day once in a semester by contacting all the members of the board in advance. He/She will also maintain the minutes of the meetings and will also follow up with actionable points.

2. Establishment of Research Steering Committee (Research Forum):

The Research Steering Committee implements wide ranging activities such as promoting applied and basic research, technology development, establishing centers of excellence, honing and cultivating appropriate research skills within faculty by deputing for Ph.D. studies, Conferences, Workshops and Short Term Training Programs (STTPs), promoting faculties to submit research proposals for different funding agencies viz. DBATU, Lonere, All India Council for Technical Education (AICTE), University Grants Commission (UGC), Department of Science & Technology (DST), Indian Space Research Organization (ISRO), Defense Research & Development Organization (DRDO), Council for scientific and Industrial Research (CSIR), Rajiv Gandhi Science and Technology Commission (RGSTC), etc.

Establishment of Research Steering Committee for various activities such as

- Sharing of research by internal faculty members
- Arranging expert lectures by outside eminent personalities
- Developing training modules
- Arranging conferences and workshops
- Submitting research proposals for government and non-government funding agencies
- Pursuing consultancy work, developing incubation centers.
- Writing patents
- Established research steering committee to coordinate the activities of the research forum.
- Arranging Training/ Discussion Sessions for the research forum:
- Having a mentor from IIT for every department
- Formalizing the procedure for Departmental research data collection
- Formalizing Training need Identification, Deputation and Feedback Process
- Formalizing the Research Appraisal Scheme for faculty members
- Developing a policy for SETI Research Grant

- Developing Conference and Workshop Deputation Policy
- Conferences and workshops organized by research forum



Research Steering Committee (2022_23)

S.N.	Name of the Member	Designation & Dept.	Duties
1.	Dr. Sanjeev N. Jain	Principal	Chairman
2.	Dr. Suhas G. Sapate	Dean- Research & Development	Vice-Chairman
3.	Dr. G. C. Koli	Dean, IQAC	Member
4.	Prof. Eknath Salokhe	Dean, Academics	Member
5.	Dr. V. Puranik	Head, Dept. of Electrical	Member
6.	Dr. Hiremath	Hrad, Dept. of Civil	Member
7.	Dr. Vinayak Devkar	Head, Dept. of Mechanical	Member
8.	Prof. R. S. Nejkar	Head, Dept. of CSE	Member
9.	Prof. Sudhir Nangare	Head, Dept. of BSH	Member
10.	Prof. Jabbar Mevekari	Coordinator (Civil Dept.)	Member
11.	Prof. N. Khan	Coordinator (BSH Dept.)	Member
12.	Dr. D. S. Bhosale	Coordinator (Computer Dept.)	Member
13.	Prof. N. S. Jadhav	Coordinator (Electrical Dept.)	Member
14.	Prof. R. P. Urunkar	Coordinator (Mechanical Dept.)	Member
15.	Dr. Sachin Jadhav	Coordinator (Automobile Dept.)	Convener

3. Roles and responsibilities

Roles and Responsibilities of Dean (Research and Development)

1. To define various research quality policy and implement them time to time as per directives and recommendations of Academic Board and Board of Management.
2. To devise policies/ strategies and implement them for faculty for funded research projects and consultancy from funding agencies.
3. To increase Industry Institute Interactions (III) for meaningful collaborations in terms of projects, faculty training, guest lectures, student projects, student internships, etc.
4. **Research Budget** – Proposal and Implementation on approval. Distributing seed money for research projects. Planning of research infrastructure and optimum utilization.
5. To inculcate research culture in the institute by organizing seminars, workshops, conferences, etc.

6. Identification of thrust areas where faculty need training and implementation
7. Member secretary of the research board

Roles and Responsibilities of Research Steering Committee (Research Forum)

The Research Steering Committee (Research forum) is responsible for assisting the Dean (R&D) in the performance of the responsibilities in respect of the establishment and promotion of excellence in the Institute's research and development, and academic and research training activities. This includes the development, review and monitoring of achievements under the Research & Development, and those aspects of other university/Institute Plans.

To promote research amongst the faculty and students the institute has introduced the following initiatives:

- **Offering and conducting interdisciplinary workshops**, seminars, training programs, and expert lectures for faculty and students
- **Offering research facilities** like research equipments, laboratories, access to online journals, etc. to facilitate a conducive research environment.
- Taking initiatives to **establish collaborative relations** with national, international and private research institutions.
- **Setting up Research Advisory Board (RAB)** consisting of experts from Industry and academia to help faculty interact with industry, present their work and projects, get their projects commercialized, fetch consultancy work or finding student internship / job opportunities.
- **Providing incentives / awards** for excellent performance in research related activities such as fetching research grants, having consultancy projects, generating IRG, publishing high quality journal / conference publications, etc.
- **Establishing research-based faculty appraisal policy.**
- **Establishing SETI research grant policy** to encourage young faculty to pursue research work.

- **Setting up liaisons** at various government and non-government agencies to facilitate the smooth conduction of application procedures and maximizing the probability of success to fetch research grant.
- **Developing IPR cell** providing sponsorships to help faculty file patents and commercialize them.
- Deputing faculty for training relevant to their research and teaching areas.
- **Developing incubation centre** to encourage entrepreneurship activities and providing a fertile ground for students and faculty to cultivate new research ideas, developing prototypes, getting seed funding from investors to help them realize their dream products.
- Developing the **departmental centre of excellence** activities also strengthens R&D Activity.

3. Incentives for Researchers with outcome

This part presents the research incentives that are going to be issued by the Management for faculty publications, patents, funded projects and consultancy works, Research Targets for the faculty and its implementation policy. The new incentive policy will be implemented from **July, 2022**.

INCENTIVES

Publication of Articles/Books/Book Chapter in International/ National Journals / Conferences/publisher:

Journal	Impact Factor / Citescore	Incentive Amount
International Journal	IF > 8 or H-Index > 150	Rs. 20,000/-
International Journal	5 < IF < 8 or H-Index 100 < HI < 150	Rs. 17,000/-
International Journal	2 < IF < 5 or H-Index 50 < HI < 100	Rs. 15,000/-
International Journal	0.5 < IF < 2 or H-Index 25 < HI < 50	Rs. 10,000/-
International Journal	IF < 0.5 or H-Index HI < 25	Rs. 8,000/-
International Journal	WoS/Scopus/SCI Indexed	Rs.5,000/-
International Journals	UGC Indexed Journal	Rs. 2,000/-
Scopus Indexed International Conference	WoS/Scopus/SCI Indexed	Rs. 5,000/-

Scopus Indexed National Conference	WoS/Scopus/SCI Indexed	Rs. 3,000/-
Technical Book with International Publisher	WoS/Scopus/SCI Indexed	Rs. 15000/-
Technical Book with National Publisher	WoS/Scopus/SCI Indexed	Rs. 10000/-
Book Chapter in Scopus Indexed International Editions	WoS/Scopus/SCI Indexed	Rs. 5,000/-
Chapters in Non Scopus Editions	--	Rs. 2000/-

Terms and conditions:

1. All the publications must add credentials to the institute in NAAC / NBA / NIRF. Then only the incentives are applicable.
2. Impact Factor should be given by Thomson and Reuter / Clarivate
3. 5% amount will be allocated for citing three papers published by faculty of SETI, Panhala or self-citations.
4. Compulsory citation of 3 papers of SETI, Panhala in IF Journals in some cases may be exempted based on the recommendations of the Incentive Committee. Committee will investigate on case to case basis and recommend for exemption.
5. H- Index of Conference Proceedings will not be considered.
6. International or National Conferences should be organized by NIT/ IIT/ Central or State University / Deemed University / Research Laboratories / Reputed Institutes with Autonomous Status with NAAC / NBA Accreditations.
7. NAAS Score of the Journal will be considered in place of Scopus for the Publications made by the faculty of Agricultural Engineering Department.
8. Faculty who publish Scopus Indexed Conference papers with a group of UG students may be paid registration fee. Incentive will not be paid.
9. One person is eligible for only one incentive of any kind in one semester.

For the above the faculty must be:

- i) The first author, with SETI affiliation. OR
- ii) If the faculty is not the first author; then the first author must be a registered student of SETI and the paper is published with SETI affiliation. OR
- iii) If the faculty affiliation is not SETI then the faculty must be the first author and he or she must be a research scholar deputed by SETI officially.
- iv) If the faculty member is not first author, he/she must be a PhD supervisor/ Co-Supervisor

Patents / Copyright

One of the key metrics being adopted for ranking institutions in the number of patents published and granted. The institution has been actively collaborating with Novel IPR Academy, a private organisation, in its efforts to provide patenting service. In order to ensure that a steady stream of ideas are generated and developed upon possible leading to patentable technologies, the following approach shall be adopted: The institution shall establish an Innovation Centre. This centre will serve as a central facility for all innovation related activities. Sensitisation programs will be conducted in all the departments in collaboration with Novel IPR Academy Students will innovative ideas and project works that can possibly lead to patenting opportunities will be short-listed. Active support and mentoring shall be provided to the short-listed students or student group to convert their ideas into patentable products. Heads of department shall nominate one faculty member to coordinate the innovation activities from each department. The faculty member, along with the student coordinators shall identify potential projects and coordinate with the innovation centre for achieving successful outcomes.

Incentive on Patents/Copyrights Awarded

- Any faculty who files for and is awarded a patent will be eligible for the following incentive:
 - ✓ Rs. 5,000 for a National Patent published
 - ✓ Rs. 10,000 for a National Patent Granted
 - ✓ Rs. 10,000 for an International Patent published
 - ✓ Rs. 20,000 for an International Patent granted

In addition to the above, all patenting charges will be reimbursed / borne by the institution for the patent granted with the name of institution appearing in all the documents

- Any faculty who files for and is awarded a copyright will be eligible for the following incentive:

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- ✓ Rs. 5,000 for a National Copyright
 - ✓ Rs. 10,000 for an International Copyright

In addition to the above, all copyright filing and search charges will be reimbursed / borne by the institution.

- The award will consist of a medal of honour, a citation and the above cash incentive.

Terms and Conditions:

The following terms and conditions shall apply for the above incentive awards:

- a. Any patent that demonstrates application of technology leading to the development of an innovative product or enhanced functionality of an existing product alone shall be considered for the scheme
- b. Non-technology based product patents shall not be eligible for the above scheme
- c. Products/processes/specific software etc. developed and copyrighted shall be considered for the above scheme if they significantly demonstrate technology development
- d. Books/manuals/lecture notes/monographs will not be eligible under the above scheme

Note: Faculty claiming incentive under the above scheme shall submit the following documents:

- a. Form 08B duly filled
- b. Copy of the Patent/Copyright
- c. Copy of documents filed for claim of patent/copyright

Funded projects / Grants :

Award of Grant for Conf / Workshop / Seminar	: Upto Rs. 10,000/-
research project where equipment is not involved	: Upto Rs. 10,000/-
projects where equipment is involved	: Upto Rs. 15,000/-
MODROBS	: Rs. 20,000/-

Note : Submission of application, follow up for getting the grant, carryout the project and submit utilization certificate should be done by the faculty.

CONSULTANCY PROJECTS

1. To encourage consultancy work from the faculty, SETI, Panhala announces a policy wherein the faculty can claim 100% of the amount charged under the consultancy work up to 5 Lakhs. This is subject to the following conditions:

- a. SETI, Panhala faculty alone should be the sole Principal Investigator (PI) of the consultancy

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- work and he should get the project on his own without taking any support from the Institute.
- b. The said consultancy work should be undertaken after the approval of the Head of the Institute and the agreement should be undertaken between SETI, Panhala and the concerned third party.
 - c. The payment for the consultancy work should be credited to SETI, Panhala which will further be passed on to the faculty as 100% Incentive.
 - d. The expenses incurred for project personnel / technician, contingencies, travel, consumables, stay, food, overheads and other costs should be borne from the consultancy amount. Institute will consider the time spent for attending the project as on duty (OD) and pays full salary to support consultancy work. The PI will be permitted to take up the project which can be carried out at Campus or at client location.
2. The faculty will be eligible for 75% of the revenue generated after deducting all the expenses from consultancy amount, if the total value of consultancy amount is above 5 Lakh.
 3. If any equipment or infrastructure is needed for executing any consultancy project, the decision for the purchase or lease for the same will be decided based on approval/suggestions from the R&D committee and Head of the Institute. The Incentive rules for such kind of projects will be separate and will be decided during the pre-approval meeting with Principal.
 4. If any consultancy project is executed with the equipment or facility sponsored by the Institute through its R&D seed grant or other funds, the Principal Investigator will be paid 50% of the revenue generated through the project after deducting all the expenses incurred as mentioned in 1(d).
 5. If a Consultancy project is assigned to any faculty from the Institute or with the support of the Institute, the Principal Investigator will be paid 40% of the revenue generated through the project as incentive after deducting all the expenses incurred as mentioned in 1(d) by the Institute. 60% of the revenue retained by the college will be used for the development of the concerned laboratory or department infrastructure.
 6. The consultancy works in which faculty receives 100% of the generated revenue as incentive,

will be considered as research and development activity and is not counted for appraisal or for any other incentive.

7. The maximum number of 6 working days will be allowed for attending consultancy project at client location within India on OD. Extension beyond this period has to be approved by the Head of the Institute with prior notice of 2 working days.

4. Norms and Standards for the Research Grant Policy

The Management of SETI Panhala has allocated budget to fund research projects to be undertaken by the faculty pursuing research in various areas. The aim of the scheme is to strengthen the research actively especially among the young faculty members which will act as a catalyst for them to apply to the various funding agencies for major grants.

The norms and guidelines of the scheme are given below to help the faculty in the preparation of the proposals.

1. The maximum grant available for each project is **Rs. 3 lakhs** and the duration of the project is for maximum two years.
2. Research proposals from faculty of Assistant professor cadre would be considered for acceptance. The Professors or Associate Professors can be Co-PI/adviser with an Assistant Professor as PI.
3. Proposals written in collaboration with faculty from within and other Departments (intra and interdepartmental) involving interdisciplinary research areas are given preference.
4. Number of research proposals to be sanctioned per Department would be as per faculty strength of the Department on the prorata basis.
5. The selection of the projects will be based on peer review and presentation of short-listed proposals in front of Expert Committee.
6. All assets generated out of the fund for the project including equipment, books and journals will become the property of the institution and an entry in the dead stock / consumable stock / library is mandatory for sanctioning the bills.
7. A publication in the form of a research paper in an international peer reviewed conference or journal is mandatory. The affiliation of the institute and an acknowledgement therein is essential to be mentioned in the research paper. One copy has to be submitted to the Dean R&D office.
8. Two students of UG and/or 1 student of PG are required to be associated with the project
9. a) A bound copy of the final report of the work done on the project in thesis form along

with CD / Floppy must be submitted to Dean R&D office on completion of the research project.

b) A copy of the “Final Report” of the work done should be kept in the Library of the respective department.

Guidelines for Research Proposal

Research proposal is an opportunity to faculty members to start or continue their research work in the Institute. The guidelines for the research proposal are as follows .

2. The proposal should clearly state the objectives, indicate current national and international status, methodology employed, plan of the research work, expected results and outcome of the project along with the budget estimate for two years.
3. The budget estimate should provide the details under different heads such as equipment, consumables / chemicals / reagents / supplies, contingency, books, etc.
4. For purchase of equipments, follow the procedure as per institute purchase procedure.
5. The Principal Investigator should present their project work six monthly in front of project evaluation committee.
6. The release of the funds as a second installment will depend on quality as well as the performance of the work done at first stage and also utilization of 75% funds released for the first stage.
7. The Principal Investigator should submit annual progress report along with the statement of accounts (Annexure-I) and utilization certificate (Annexure-II) at the end of financial year for the release of the subsequent grant to the Dean R&D office.
8. All Principal Investigators are supposed to publish their work in an international peer reviewed conference or journal of repute.
9. Every bill must be signed by HOD of the concerned department and the Principal before submission of Research projects **for audit.**
10. Expenditure towards the purchase of air-conditioners, or renovation of laboratories or the purchase of Mother Board, DVD writer, Hard Disk, RAM, Antivirus, Pen drive, Computer, Laptop, Mobile, DVD, Steam Oven, Home Theatre, Mixer, Handy cam, Printer, Scanner, Fridge, Cupboard, Books rack, Furniture, stationery item, etc. will be not allowed.
11. Dead stock/consumable stock entry is necessary for purchase on Research project.
12. Library's Accession No. is important on purchased books
13. Travelling expenditure will not be sanctioned. from this grant. Air ticket & other expenditure like food items, beverages, snacks, meals, local travel will not be sanctioned for attending National & International conference from this grant
14. Two students of UG and 1 student of PG for the project

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15. The final report of research project should include
 - (i) Technical Report along with conclusions (two hard bound copies) / and published, presented, accepted paper(s) (A soft copy)
 - (ii) Statement of accounts
 - (iii) Utilization certificate
 16. The central audit will be organized at the end of financial year for financial assessments of research projects.
 17. In spite of these guidelines, any additional thing which will help in strengthening the research culture in Institutes shall be allowed after due sanction from the Honorable Principal.

4. Faculty Deputation and Sponsorship Policy

Deputation Training/ STTP/ Workshops/ Seminar:

The departments are allotted a budget of **Rs. 5000 * n**, where n is the number of faculty members working in that department. Head of the Department can use this budget for the departmental faculty. This cost includes registration, travel, and other expenses, if any for the faculty training.

No students will be sponsored for attending conferences, workshops, trainings, seminars, etc.

1. For deputation to training for STTP/ Workshops/ Seminar the departments are allotted a budget on prorata basis.
2. The deputation cost includes the registration, travel, and other expenses, if any, for the faculty training.
3. The Head of the Department can use this budget to recommend departmental faculty for deputation by considering the training needs identified by the faculty.

For faculty deputation following are the norms:

1. For events within India the faculty will be considered for providing TA/DA at actual

according to the college norms along with the On-Duty leave for the days required.

2. For the events outside India the faculty will be granted On-Duty leave. But, no registration charges, VISA/ passport fees, TA/ DA, insurance charges will be borne by the institute. The faculty can apply for the international travel grants to take care of these expenses. On-Duty leave will be sanctioned only when the faculty provides the proofs of the theft and medical insurance taken.

3. Students will be sponsored for any events only when the institute deutes themfor the same.

4. For deputation of all the events the faculty needs to apply for the deputation and/or sponsorship. The Principal will approve expenses after considering recommendation by the Head and the Dean R&D.

Apart from the above norms following are the norms which are more specific to the event of deputation:

5. Policy for Research Expenditures for funded projects

I] Research Projects:

The faculty will be deputed for presenting the shortlisted research proposals only if the faculty has applied to the research grant scheme through SETI with SETI as affiliation on the proposal.

II] Publications:

1. For a faculty publishing a paper in a journal having non-zero impact factor provided by Thompson Reuter's Journal Citation Index (JCI): Publication charges at actual or upto **Rs. 10,000**, whichever is less will be provided by the college per financial year

2. For a faculty publishing a paper in a journal cited by Scopus: Publication charges at actual or upto Rs. 5,000, whichever is less will be provided by the college per financial year

3. For a faculty publishing a paper at a conference within India cited by Scopus: TA/ DA as per the college norms will be provided along with On-Duty leave for the days required to attend the conference. The registration charges have to be provided by the faculty.

For conferences outside India no sponsorship will be provided by the college. The faculty can apply for the international travel grants. DL may be sanctioned by the Principal.

For all the 3 above the faculty should be the first author with SETI affiliation.

III Patent:

1. For filing a patent upto 50% charges will be considered to be sponsored by the institute.
2. Depending on patent quality and significance, 0-50% charges will be equally shared by the inventors.

The patent has to be filed with SETI as the owner of the patent.

III Research Projects:

For presenting the shortlisted proposals the faculty will be paid TA/DA at actual according to the college norms along with On-Duty leave for the days required.

6. Policy for Distribution of Overhead Charges by SETI

Based on individual expertise every faculty is encouraged to generate funds through consultancy. To network with industries and create opportunities for obtaining consultancy projects Dean (Industry Relations), Dean (R &D) are appointed. Every department has formulated Industry Advisory Board to bridge the gap between academia and industry. Also faculty contributing in revenue generating through consultancy is appreciated by the institute through awards and recognition. The policy for sharing the revenue generated after deducting all expenses from sanctioned consultancy grant is as follows.

1. 30% to the Institute.
2. 70% of the surplus amount to the coordinator/ Activity owner/ Principal

7. Purchase Procedure for funded projects and consultancy grants

Requirement should be forwarded to Dean, Research & Development through Head of Department.

This requirement should be forwarded with recommendation to Principal through Dean, Finance for approval.

The requirement of all such items should be as per the approval of the Funding Agency (Attach Funding Agency approval letter)

The procurement of all these items / services shall be carried out as per the following details:

1. All equipments:

(a) PI should call minimum 3 quotations based on the required specifications and make minimum 3 vendors.

(b) PI should call minimum 3 quotations based on required technical specifications.

In case the item is of proprietary nature only one quotation will suffice. Due justification for the item being proprietary should be attached.

(c) PI should prepare comparative statement including special technical basic price, taxes, freight charges, installation, training charges, payment and delivery terms, inspection terms, etc.

(d) This comparative statement should be forwarded to Dean, Research & Development through Head of Department.

(e) Dean, Research & Development should forward above document with recommendation to Principal through Dean, Finance.

(f) Comparative statement approved by Principal shall be forwarded to the Trust Office through Dean, Finance.

(g) PI should arrange a meeting of vendors with Institute and Trust Authorities for negotiations and finalization of other purchase terms and conditions.

(h) After approval of the vendor from Trust Authorities the PI should prepare Purchase Order in triplicate with due terms and conditions.

- (i) The Purchase Order should be forwarded to Dean, Research & Development through Head of Department.
- (j) Dean, Research & Development should forward above Purchase Order to Principal through Dean, Finance.
- (k) The copy of Purchase Order duly signed by the Principal should be issued to the vendor and Office copies of the same should be retained with PI and Department.
- (l) PI should do necessary follow up for procurement of the equipments and ensure that entire transaction is done as per terms and conditions of Purchase Order.
- (m) PI should further carry out the bill settlement process as per the Institute procedure.

2. Computer and IT related products :

- (a) PI should workout required technical specifications for Computer and IT related products.
- (b) This requirement should be forwarded to Dean, Research & Development through Head, Systems.
- (c) Dean, Research & Development should forward above requirement to Principal through Dean, Finance.
- (d) PI should forward approved Computer and IT related requirement to Head, Systems.
- (e) PI should call minimum 3 quotations based on the required specifications and make minimum 3 vendors.
- (f) PI should call minimum 3 quotations based on required technical specifications. In case the item is of proprietary nature only one quotation will suffice. Due justification for the item being proprietary should be attached.
- (g) PI should prepare comparative statement including special technical basic price, taxes, freight charges, installation, training charges, payment and delivery terms, inspection terms, etc.

- (h) This comparative statement should be forwarded to Dean, Research & Development through Head of Department.
- (i) Dean, Research & Development should forward above document with recommendation to Principal through Dean, Finance.
- (j) Comparative statement approved by Principal shall be forwarded to the Trust Office through Dean, Finance.
- (k) PI should arrange a meeting of vendors with Institute and Trust Authorities for negotiations and finalization of other purchase terms and conditions.
- (l) After approval of the vendor from Trust Authorities the PI should prepare Purchase Order in triplicate with due terms and conditions.
- (m) The Purchase Order forwarded to Dean, Research & Development through Head of Department.
- (n) Dean, Research & Development should forward above Purchase Order to Principal through Dean, Finance.
- (o) The copy of Purchase Order duly signed by the Principal should be issued to the vendor and Office copies should be retained with PI and Department.
- (p) PI should do necessary follow up for procurement of the equipments and ensure that entire transaction is done as per terms and conditions of Purchase Order.
- (q) PI should further carry out the bill settlement process as per the Institute procedure.

3. Stationery Items :

- (a) PI should work out required stationery purchase of the Institute. The co-ordinator should arrange procurement and handover to the PI.
- (b) This requirement should be forwarded to Dean, Research & Development through Head, Systems.
- (c) Dean, Research & Development should forward above requirement to Principal through

Dean, Finance.

- (d) PI should forward approved stationery requirement to Head, Systems.
- (e) PI should call minimum 3 quotations based on the required specifications and make minimum 3 vendors.
- (f) PI should call minimum 3 quotations based on required technical specifications. In case the item is of proprietary nature only one quotation will suffice. Due justification for the item being proprietary should be attached.
- (g) PI should prepare comparative statement including special technical basic price, taxes, freight charges, installation, training charges, payment and delivery terms, inspection terms, etc.
- (h) This comparative statement should be forwarded to Dean, Research & Development through Head of Department.
- (i) Dean, Research & Development should forward above document with recommendation to Principal through Dean, Finance.
- (j) Comparative statement approved by Principal shall be forwarded to the Trust Office through Dean, Finance.
- (k) PI should arrange a meeting of vendors with Institute and Trust Authorities for negotiations and finalization of other purchase terms and conditions.
- (l) After approval of the vendor from Trust Authorities the PI should prepare Purchase Order in triplicate with due terms and conditions.
- (m) The Purchase Order forwarded to Dean, Research & Development through Head of Department.
- (n) Dean, Research & Development should forward above Purchase Order to Principal through Dean, Finance.
- (o) The copy of Purchase Order duly signed by the Principal should be issued to the vendor and Office copies should be retained with PI and Department.
- (p) PI should do necessary follow up for procurement of the equipments and ensure that

entire transaction is done as per terms and conditions of Purchase Order.

(q) PI should further carry out the bill settlement process as per the Institute procedure.

4. Consumables / Hiring Services :

(A) Similar type of consumables worth more than Rs. 20,000/- per project :

(a) PI should call minimum 3 quotations based on the required specifications and make minimum 3 vendors.

(b) PI should call minimum 3 quotations based on required technical specifications. In case the item is of proprietary nature only one quotation will suffice. Due justification for the item being proprietary should be attached.

(c) PI should prepare comparative statement including special technical basic price, taxes, freight charges, installation, training charges, payment and delivery terms, inspection terms, etc.

(d) This comparative statement should be forwarded to Dean, Research & Development through Head of Department.

(e) Dean, Research & Development should forward above document with recommendation to Principal through Dean, Finance.

(f) Comparative statement approved by Principal shall be forwarded to the Trust Office through Dean, Finance.

(g) PI should arrange a meeting of vendors with Institute and Trust Authorities for negotiations and finalization of other purchase terms and conditions.

(h) After approval of the vendor from Trust Authorities the PI should prepare Purchase Order in triplicate with due terms and conditions.

(i) The Purchase Order forwarded to Dean, Research & Development through Head of Department.

(j) Dean, Research & Development should forward above Purchase Order to Principal through Dean, Finance.

- (k) The copy of Purchase Order duly signed by the Principal should be issued to the vendor and Office copies should be retained with PI and Department.
- (l) PI should do necessary follow up for procurement of the equipments and ensure that entire transaction is done as per terms and conditions of Purchase Order.
- (m) PI should further carry out the bill settlement process as per the Institute procedure.
- (B) Consumables less than Rs. 20,000/- per project :
- (a) PI should workout required technical specifications for Computer and IT related products.
- (b) This requirement should be forwarded to Dean, Research & Development through Head, Systems.
- (c) Dean, Research & Development should forward above requirement to Principal through Dean, Finance.
- (d) PI should forward approved Computer and IT related requirement to Head, Systems.
- (e) PI should call minimum 3 quotations based on the required specifications and make minimum 3 vendors.
- (f) PI should call minimum 3 quotations based on required technical specifications. In case the item is of proprietary nature only one quotation will suffice. Due justification for the item being proprietary should be attached.
- (g) PI should prepare comparative statement including special technical basic price, taxes, freight charges, installation, training charges, payment and delivery terms, inspection terms, etc.
- (h) This comparative statement should be forwarded to Dean, Research & Development through Head of Department.
- (i) Dean, Research & Development should forward above document with recommendation to Principal through Dean, Finance.
- (j) Comparative statement approved by Principal shall be forwarded to the Trust Office

through Dean, Finance.

- (k) PI should arrange a meeting of vendors with Institute and Trust Authorities for negotiations and finalization of other purchase terms and conditions.
- (l) After approval of the vendor from Trust Authorities the PI should prepare Purchase Order in triplicate with due terms and conditions.
- (m) The Purchase Order forwarded to Dean, Research & Development through Head of Department.
- (n) Dean, Research & Development should forward above Purchase Order to Principal through Dean, Finance.
- (o) The copy of Purchase Order duly signed by the Principal should be issued to the vendor and Office copies should be retained with PI and Department.
- (p) PI should do necessary follow up for procurement of the equipments and ensure that entire transaction is done as per terms and conditions of Purchase Order.
- (q) PI should further carry out the bill settlement process as per the Institute procedure.

7. Review and research audits

Review of final year students projects will be done on continuous basis i.e. once in semester for this review committee chairman will be Principal Sir, Secretary is Dean (R&D), Head and Assistant research will be committee members. Similarly review of all funded projects will be carried out once in semester and guidelines will be given for future course of action.

8. Responsibilities of a Research Investigator

An investigator who leads a research group has leadership and supervisory responsibilities with respect to the research performed by members of the group. A principal investigator must not only put together the research group but also arrange for the assembly of an adequate financial and administrative structure to support the research. A supervisor not only provides guidance and advice to individual members of the group in the responsible conduct of the research but also has ultimate responsibility for the scientific integrity of the whole research project. He or she should

thus take all reasonable steps to check the details of experimental procedures and the validity of the data or observations reported by members of the group, including periodic reviews of primary data in addition to summary tables, graphs, and oral reports prepared by

10. Policy of the College to check malpractices and misconduct in research

The college has a research steering committee (research forum) at Institute level and Department research committee to monitor the progress of research work. The candidates are counseled for the consequences of malpractices and misconduct in research. The final submission of B.Tech. thesis is approved and forwarded to university only after the satisfactory presentation before institute level committee (with one external subject expert) and outcome / publications based on the study carried out as per norms of Dr. Babasaheb Ambedkar Technological University (DBATU), Lonere. Publications in peer reviewed journals are mandatory and thereby check any possible malpractice and misconduct in research. As well as all research guides has access to **high quality plagiarism detection software** for checking of plagiarism of thesis and research papers. Further, the research work is extensively guided by the faculty. Even the dissertation works of PG students, if are any, are monitored and evaluated by a departmental post graduate committee.

The purpose of this policy is to set of guidelines is to provide a positively oriented set of practical suggestions for maintaining integrity in research. Not only does the ethical conduct of science satisfy a scientific moral code; it also leads to better scientific results because the adherence to ethical research practices leads to more attention to the details of scientific research, including qualitative analysis and quantitative and statistical techniques, and to more thoughtful collaboration among investigators. Also, the credibility of science with the general public depends on the maintenance of the highest ethical standards in research.

Plagiarism:

An author should cite the work of others even if he or she had been a co-author or editor of the work to be cited or had been an adviser or student of the author of such work. The work of others should be cited or credited, whether published or unpublished and whether it had been

written work, an oral presentation, or material on a website. A charge of plagiarism in the proposal or protocol on grounds that such members are not later included as part of the research team that conducts the approved or funded research.

At SETI, we are using **“high quality plagiarism detection software”** software to ensure that documents such as thesis, dissertation, reports, publications are free of plagiarism at the time of their submission.

As per guidelines of UGC following similarity checks for exclusion from Plagiarism

- i. All quoted work either falling under public domain or reproduced all necessary permission and/or attribution.
- ii. All references, bibliography, table of content, preface and acknowledgements.
- iii. All small similarities of minor nature.
- iv. All generic terms, laws, standard symbols and standards equations.

In case Plagiarism is established in the core work claimed then Plagiarism Disciplinary Authority (PDA) of the SETI will impose maximum penalty in accordance with UGC norms. The core work shall include abstract, summary, hypothesis, observations, results, conclusions and recommendations.

Levels of Plagiarism

SETI will quantify plagiarism levels using standard software and databases and levels in ascending order of severity for the purpose of its definition:

Similarities upto 0% .- excluded

Level 1: Similarities above 10% to 40%

Level 2: Similarities above 40% to 60%

Level 3: Similarities above 60%

Academic Misconduct Panel (AMP) of the Department will submit a report to the Plagiarism

Disciplinary Authority (Research Steering Committee). Based on the observations of AMP Plagiarism Disciplinary Authority (PDA) will take appropriate decision after giving a hearing to the accused person. The penalties will be in-line with UGC norms.

(a) Penalties for Students

- i. Level 1: Similarities above 10% to 40% - Such student shall not be given any mark and/or credit for the plagiarized script and shall be asked to submit a revised script within a stipulated time period not exceeding 6 months.
- ii. Level 2: Similarities above 40% to 60% - Such student shall not be given any mark and/or credit for the plagiarized script and shall be asked to submit a revised script after a time period of one year but not exceeding eighteen months.
- iii. Level 3: Similarities above 60% - Such student shall not be given any mark and/or credit for the plagiarized script and his/her registration for that course to be cancelled.

* Penalty on repeated plagiarism- Such student shall be punished for the plagiarism of one level higher than the previous level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative.

*Penalty in case where the degree/credit has already been obtained – If plagiarism is proved on a date later than the date of award of degree or credit as the case may be then his/her degree or credit shall be put in abeyance for a period decided by the AMP and PDA.

(b) Penalties for faculty, staff, researcher of the Institute

- (i) Level 1: Similarities above 10% to 40% - Shall be asked to withdraw' manuscript Submitted for publication and shall not be allowed to publish any work for a minimum period of one year.
- (ii) Level 2: Similarities above 40% to 60% - shall be asked to withdraw' manuscript submitted for publication and shall not be allowed to publish any work for a minimum period of two years and shall be denied a right to one annual increment and shall not be allowed to

be a supervisor to any UG, PG, student/scholar for a period of two years.

(iii) Level 3: Similarities above 60% - shall be asked to withdraw manuscript submitted for publication and shall not be allowed to publish any work for a minimum period of three years and shall be denied a right to two successive annual increments and shall not be allowed to be a supervisor to any UG, PG, student/scholar for a period of three years.

*Enhanced penalty on repeated plagiarism - shall be punished for the plagiarism of one level higher than the lower level committed by him/her. In case where plagiarism of highest level is committed then the punishment for the same shall be operative. In case level 3 offence is repeated then the concerned person shall be dismissed.

*Penalty in case where the benefit or credit has already been obtained - If plagiarism is proved on a date later than the date of benefit or credit obtained as the case may be then his/her benefit or credit shall be put in abeyance for a period decided by the AMP and PDA on recommendation of the AMP.

* If there is any complaint of plagiarism against the Head of an Institute, a suitable action, in line with these regulations, will be taken by the Competent Authority/Governing Board/Governing Council as the title may be.

10. 2. Data

a. Integrity of Data

Fabrication and falsification of research results are serious forms of misconduct. It is a primary responsibility of a researcher to avoid either a false statement or an omission that distorts the research record. A researcher must not report anticipated research results that had not yet been observed at the time of submission of the report. In order to preserve accurate documentation of observed facts with which later reports or conclusions can be compared, every researcher has an obligation to maintain a clear and complete record of data acquired.

In many fields of laboratory research, it is standard practice to record data in ink in an indexed

permanently bound laboratory notebook with consecutively numbered pages. Research methods, including statistical treatments, should be either described in the e- record, notebook or referenced by citation to some other primary or secondary source. Information on materials used, along with their sources, should be recorded. Entries should not be erased or white out. If mistakes are to be corrected, a thin line should be drawn through the erroneous entry so as not to obscure it and an initialed dated correction written separately, along with an explanatory note, near the original entry or in the margin. Inspection and or calibration report is required.

All data should be recorded contemporaneously with the production or observation of the data. If some data are obtained as printouts from instruments or computers, these printouts should be appropriately labeled and pasted into the notebook or, if pasting is not possible, stored securely and referenced in the notebook as to storage location. If unique critical materials, such as cell lines, archeological artifacts, or synthetic chemical intermediates, are prepared or discovered, they should be preserved and appropriately labeled, and explicit instructions should be written in the notebook as to where they are stored. Extensive data sets may be stored either as hard copy or on disks. In such cases, carefully documented definitions for codes should be included, together with rules for applying them to the experimental, clinical, or field data and notes.

Research in social sciences and in some clinical biomedical fields poses specific problems with respect to the availability of primary data for use by other researchers or by reviewers of allegations of possible scientific misconduct. The protection of human subjects requires that data be used, stored, and disclosed in a way that ensures the privacy of individual research subjects. Furthermore, while for purposes of analysis these data are frequently coded and entered into computer files with only code numbers identifying the individual subjects, there is often an interest of the researcher in reviewing the coding procedures in order to identify either random or systematic mis-entry of data into files. To satisfy these guidelines fully, the primary data - clinical or laboratory records, questionnaires, tapes of interviews, and field notes - should be available for review. (In some research areas, anthropology for example, field notes are viewed as the product of the researcher rather than as data, and are thus customarily not made available to others.) Where possible, questionnaires should be stored without identifiers, using only code

numbers to link them to computerized files. Records, including transcripts of taped interviews, can be redacted to remove names and other key identifiers. The rules and procedures for carrying out such redactions should be available to anyone who reviews the data

b. Use and Misuse of Data

Researchers should acquaint themselves with the relevant quantitative methods available for processing data, including graphical and tabular methods of presentation, error analysis, and tests for reliability. Research integrity requires not only that reported conclusions are based on accurately recorded data or observations but that all relevant observations are reported. It is considered a breach of research integrity to fail to report data that contradict or merely fail to support the reported conclusions, including the purposeful withholding of information about confounding factors. If some data should be disregarded for a stated reason, confirmed by an approved statistical test for neglecting outliers, the reason should be stated in the published accounts. A large background of negative results must be reported. Any intentional or reckless disregard for the truth in reporting observations may be considered to be an act of research misconduct. Special care must be taken in the use of photo-images not to misrepresent the underlying data. When using imaging-processing software, like Adobe Photoshop, for example, in preparing a blot for viewing it is improper to add or delete a band, to differentially adjust the intensity of one or more bands, to label an image from one experiment as representing a different experiment, to splice lanes without using a line indicating the deletion, or to juxtapose pieces from different gels onto a single image.

Modifying an approved protocol in the midst of a clinical or epidemiological study or changing the character of an approved study (e.g., from an exploratory to a confirmatory study) without prior approval is improper and could be viewed as research misconduct. Expenditure of government grant funds for fabricated or falsified research is not only a violation of research ethics but also a federal crime, and those responsible may be subject to prosecution for fraud with the possibility of a demand for restitution of funds to the government, a fine, and/or imprisonment.

c. Ownership of and Access to Data

Research data obtained in studies performed at SETI, Panhala and/or by employees of the SETI are not the property of the researcher who generated or observed them or even of the principal investigator of the research group. They belong to the SETI, which can be held accountable for the integrity of the data even if the researchers have left the Institute. Another reason for the Institute's claim to ownership of research data is that the Institute, not the individual researcher, is the grantee of sponsored research awards. Reasonable access to data, however, should normally not be denied to any member of the research group in which the data were collected. If there is any possibility that a copyright or patent application might emerge from the group project, a written agreement within the group should specify the rights, if any, of each member of the group to the intellectual property. A researcher who has made a finding which may be patentable should file an Invention Disclosure with the IPR Cell of SETI.

d. Storage and Retention of Data

Data should be stored securely for at least seven years after completion of the project, submission of the final report to a sponsoring agency, or publication of the research, whichever comes last. Some agencies that sponsor research may specify a longer period for which data must be retained. Some types of data are expected to be deposited in a Institute library.

10.3. Authorship and Other Publication Issues

Publication of research results is important as a means of communicating to the scholarly world so that readers may be informed of research results and other researchers may build on the reported findings. In fact, it is an ethical obligation for an investigator at the Institute to make research findings accessible, in a manner consistent with the relevant standards of publication. The reported data and methods should be sufficiently detailed so that other researchers could attempt to replicate the results. Publication should be timely but should not be hastened unduly if premature publication involves a risk of not subjecting all results to adequate internal confirmation or of not considering adequately all possible interpretations. A commercial sponsor of a research project may not have a veto over a decision to publish, but a delay of publication for an agreed period, not to exceed six months, may be allowed in order to permit filing of a patent application.

a. Criteria for Authorship

Publication must give appropriate credit to all authors for their roles in the research. If more than one person contributes significantly, the decision of which names are to be listed as co-authors should reflect the relative contributions of various participants in the research. Many professional associations and research journals have specified criteria for authorship. One common standard appearing in many of these statements is that each author should have participated in formulating the research problem, interpreting the results, and writing the research paper, and should be prepared to defend the publication against criticisms.

b. Order of Authors

Customs regarding the order in which co-authors' names appear vary with the discipline. Whatever the discipline, it is important that all co-authors understand the basis for assigning an order of names and agree in advance to the assignments. A corresponding, or senior author (usually the first or last of the listed names in a multi-authored manuscript) should be designated for every paper, who will be responsible for communicating with the publisher or editor, for informing all co-authors of the status of review and publication, and for ensuring that all listed authors have approved the submitted version of the manuscript. This person has a greater responsibility than other co-authors to vouch for the integrity of the research report and should make every effort to understand and defend every element of the reported research.

c. Self-citations

In citing one's own unpublished work, an author must be careful not to imply an unwarranted status of a manuscript. A paper should not be listed as submitted, in anticipation of expected submission. A paper should not be listed as accepted for publication or in press unless the author has received galley proof or page proof or has received a letter from an editor or publisher stating that publication has been approved, subject perhaps only to copy-editing.

d. Duplicate Publication

Researchers should not publish the same article in two different places without very good reason to do so, unless appropriate citation is made in the later publication to the earlier one, and unless the editor is explicitly informed. The same rule applies to abstracts. If there is unexplained duplication of publication without citation, sometimes referred to as self-plagiarism, a reader may be deceived as to the amount of original research data. It is improper in most fields to allow the same manuscript to be under review by more than one journal at the same time.

e. Reporting Suspected Misconduct

Reporting suspected research misconduct is a shared and serious responsibility of all members of the academic community. Any person who suspects research misconduct has an obligation to report the allegation to the Dean (R&D). Allegations are handled under procedures described in the Institute's Research Policy. All reports are treated confidentially to the extent possible, and no adverse action will be taken, either directly or indirectly, against a person who makes such an allegation in good faith.

f. Special Obligations in Human Subject Research

Research protocols involving human subjects must be approved in advance by the Institute and University Ethics committee, which determines whether risks posed to subjects are acceptable and whether information describing risks and benefits of subject participation is conveyed to subjects in an accurate and intelligible manner.

11. Extension activities for neighboring community

Faculty is continuously encouraged for submission of research projects on problems of regional and global importance which will satisfy the needs of neighboring community. Faculty is not only provided with special leave facilities but also encouraged to attend the national and international seminars, workshops and conferences. Academic achievements of the staff are encouraged by providing publicity and recognition. The Institute has established an Institute Industry Linkage Centre for contextual research, training, campus interview and consultancy.

The guidelines are prepared for sharing the revenue earned through consultancy on 30:70 basis. The sharing policy as 30% to the Institute and 70% of the surplus amount to the coordinator / Actively owner only for consultancy work. The college share will be used for infrastructure development of the concerned faculty laboratories.

12. Institution has created an eco system for innovations including Incubationcentre and other initiatives for creation and transfer of knowledge

The seed of the innovation ecosystem at SETI Panhala was sown in 2022 with formation of **Entrepreneurship Development Centre (EDC)** with the active support college management. The aim of the EDC is to build a successful and profitable business, the incubatees will be working with various partners (such as investors, industries and research labs) and service providers (such as industry, corporation, hospitals, consultants, IT, HR etc.). In this regard, centre has conducted several workshops for students to make them aware about funding opportunities, start-up ecosystem, and incubation and services.

EDC invites new ideas and proposal from students for incubation. After screening of proposals they are processed for further evaluation. Finally, identified and evaluated based on their potential, feasibility, value proposition and market assessment. In essence, these activities will trigger Innovation & Entrepreneurship ecosystem in the region.

With this philosophy various startups initiated by the EDC in last 2 years are as follows:

Roadmap of R&D Cell

R&D cell takes multiple initiatives on various level for holistic development Initiatives as depicted in the table below.

Activity	Till 2023	2024 to 2025 Year	2024 to 2028 Year
Policy making	Drafting and finalizing policy documents of R&D, Consultancy, EDC, IIPC Cells.	IPR- copy right , patent registration, Company registration	Student and faculty exchange with foreign/national universities and research units
Establish Center Of Excellence (CoE), Facilities enhancement	Establishing Domain wise CoE and facility enhancement	Domain wise laboratory setup and strengthening of COE	SETI, Panhala became center for consultancy and industry project completion center
R & D projects	identification of potential projects for product development; Prototype Designing	Developing Product from prototype	Launching the products into market
Industry linkage	Establishing Micro / Small scale industry linkage for Product /Service development and faculty deputation in industry	Small scale industry linkage for the Product /Service development and faculty deputation in industry	Medium scale industry linkages & Faculty deputation for project development; Partnership contribution for R & D cell of industry
Faculty development for R & D activity Faculty & student publication	Monitor faculty publication yearly and guide them for quality publications	Few quality publication from faculty Domain wise clubs with industry experts	Quality publications with faculty outside Maharashtra for various Joint projects
Networking with foreign university	Identification of foreign university and research cell for collaboration	Establishment of networking with university	Faculty exchange or project exhibition in collaboration
Establishment of EDC, Innovation cell, Incubation center	establishment of primary Innovation cell and Incubation centre for local students	Incubation facilities for outside students and persons	Establishing Hub for incubation activities
Consultancy	Follow DBATU Lonere guidelines for few initial consultancy work	Review the guideline and if required modify the same to enhance more consultancy work	Consultancy to various government and industry bodies at least in 6 domains.

Guidelines for Implementation of Research Policy :

1. At least one Science Indexed Journal Paper is expected from Doctorate faculty every year.
2. All Doctorates should achieve minimum 1 patents during three years.
3. All Faculty of Engineering Departments should publish papers in Scopus Indexed Conferences/Journal to get incentive.