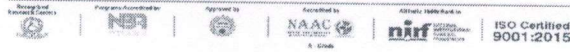




**CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)**

Kokapet(Village), Gandipet, Hyderabad, Telangana-500075. www.cbit.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

**Extract of the Minutes of the 72nd General Body meeting of CBIT held on
23.08.2022**

Agenda Item No. VII (1)

Conduct of International Conferences (Hybrid Mode):

It is proposed to organize three international conferences during the Academic Year 2022-23, to serve all the departments and improve number of Scopus cited publications and citation index. For this an amount of Rs.1.5 lakhs is needed for each conference towards expenses for publishing, honorarium to invited speakers etc., to a tune of Rs.4.5 Lakhs.

S. No	Conference details	Tentative Dates	Beneficiary Departments	Tentative Budget (Rs.)
i)	IEEE Conference	December 2023(proposal to be sent 18 months advance) 16 th and 17 th December 2023	CSE, IT, MCA, ECE and EEE	1.5 lakhs
ii)	Springer Conference/ Elsevier procedia	24 th and 25 th March 2023	CSE, IT, ECE, EEE and MCA	1.5 lakhs
iii)	AAP / T and F	17 th and 18 th February 2023	Mechanical, Civil, MBA, Biotechnology and Chemical	1.5 Lakhs
Total (Rs.)				4.5 Lakhs

AAP: Association of American Publishers; T and F: Taylor and Francis

Minutes:

The General Body hereby resolves and approves a tentative budget of Rs.4.5 lakhs towards expenditure to organize and conduct three international conferences during the academic year 2022-23.

Agenda Item No. VII (2)

Research Day 2022 (Hybrid Mode) :

As per R&D Calendar-2022, organization of Research Day- 2022 is scheduled on 27th August 2022. For this, an amount of Rs.7.43 lakhs may be released towards expenses such as publishing 'Book of Abstracts', honorarium to the invited speakers, best innovation, best student research paper etc. The exact funding for organizing this Research Day 2022 will be intimated after the brochure is prepared.

Proposed budget details

S.No	Expenses	Amount Required (Rs.)	Justification
1.	For Prizes / Awards	126000	A total 6 prizes per department (Best paper:02, poster:02 and product:02) First Prize: Rs.2000/- Second Prize: Rs.1000/- $14*3*2000+14*3*1000=126000$
2.	Chief Guest and Guest of Honour honorarium	10000	Chief Guest, Guest of Honour
3.	Judges Honorarium & Transportation	189000	A total 3 judges per department (Best paper, poster and product) $14*3*4500=189000$
4.	Decoration of venues	20000	Dias decoration
5.	Stationary and others	10000	Pointers, Pads, Miscellaneous
6.	Remuneration for Keynote Speakers	10000	Two speakers $2*10000=20000$ (Abroad speakers)
7.	Banners	15000	--
8.	Bouquets	10000	Only inaugural and Valedictory function
9.	Tea and Snacks (Morning and Evening)	40000	Guests, Directors, HoDs, Coordinators and 300 Participants (expected)
10.	Food & Snacks	80000	Guests, Directors, HoDs, Coordinators and 300 Participants (expected)
11.	Printing of Brochures and Books of Abstract	15000	--
12.	Stalls, Poster Stands and Tents	250000	--
13.	Transportation for Guests	15000	--
14.	Registration Kit	25000	Guests, Directors, HoDs, Coordinators and 300 Participants (expected)
15.	Mementos and shawls	20000	Only inaugural and Valedictory function
16.	Certificates	3000	Participants, CBIT faculty those who contributed most to NIRF 2022 ranking in terms of number of Publications, Citations and Research Project funding.
Grand Total (Rs)		838000	
Expected amount from Registration Fee (Rs)		105000	Registration fee: 350 (300*350=105000)
Required Amount (Rs)		7,43,000	

Request the General Body to accord approval.

Minutes:

The General Body hereby resolves and approves a budget of Rs.7.43 lakhs towards organizing and conducting Research day 2022 in hybrid mode on 27.08.2022.

Agenda Item No. VII (3)

Stipend for Ph.D Scholars

Recently, we have applied to the Osmania University for recognizing our institute as 'Research Centre'. The recognition process is expected to be complete by the end of July 2022. Once our institute is recognized as 'Research Centre', Osmania University allots PhD scholars to our institute after due procedure as per the new Ph.D admissions to CBIT.

For encouraging Ph.D scholars to join in our institute, R&D proposes to provide 25 Ph.D scholarships with a stipend of Rs.15,000/- per month. These Ph.D scholars will do their own research work under the guidance of allotted supervisors and help in institution publications / patents. Also, the Ph.D scholars will become as asset to the institute, by utilizing their services in laboratory works / Invigilation / Maintenance of Academic data etc., as is usually done in IITs and NITs.

Request the General Body for approval.

Minutes:

The General Body hereby resolves and approves the scheme of the R&D department to provide 25 Ph.D scholarships with a stipend of Rs.15,000/- per month per each scholar in order to encourage Ph.D scholars to join in our institute. Further, the General Body directed the Principal to utilize the services of such Ph.D scholars in laboratory works / Invigilation / Maintenance of Academic data etc., as is usually done in IITs and NITs and to further Research work and help in Institution publications / patents.

Agenda Item No. VII (4)

	4.	<u>IPR (Patents) Granted :</u>			
		S No.	Title	Application No. Grant Date	Inventors
		1	Magneto Centrifugal Blood Pump	306263 Granted on 8/4/2022	1. Prof. P. Ravinder Reddy 2. Mr. T. Rugveda
2	System and Method for Palm Leaf Character Recognition Using 2D Haar Wavelet Transform and 3D Feature	20164100008A Granted on 4/7/2022	1. Dr. Panyam Narahari Sastry 2. Dr. N V Koteswara Rao 3. Dr. Ramakrishna Krishnan		

IPR (Patents) Published /Filed :

S No.	Title	Application/ Patent No/ Status	Inventors
1	Wind Turbine Duct Having Exit Fold and Shallow Slots	20224100427A Published Date: 4/2/2022	Prof. P. Ravinder Reddy Ms. L. Ramayee (Research Scholar) Prof. K Supradeepan (BITS Hyderabad)
2	Microbial Pigment Compositions Nucleic Acid Staining Agent	202241004271 Published Date: 4/2/2022	K. Arunachalam (Zambia) Rajasri Yadavalli (CBIT Faculty) Neha Sharma (Maharsi MarkanMeshawar university, Rajesh Kumar Shanmugam (SIMTS), A, Jacob, Appa Dorai (Pratusha Engg. College), Balasubbareddy Ranjit singh.
3	Design of Power Quality Analyzer (PQA) using Field Programmable Gate Array (FPGA)	202241010487 Published. Date: 4/3/2022	Dr M, Kondapalli Venkata Sri Ram (PG student), Dr P. Venkata Prasad
4	Noise Adaptive Approach for improving the Bit Error Rate (BER) in three dimensional turbo codes.	202241026206A Published Date: 20/5/2022	Ms. K. Suman Prof. Reddy Desireddy Krishna
5	"Artificial Intelligence (AI) Enabled Framework for Detection of Cardio Vascular Diseases"	202241032967 Published Date: 17/6/2022	Ms Kratika Sharma Ms Satya Kiranmai Tadeipalli Mr U Sairam, Mr Santhosh Voruganti Dr M Venu Gopalachari, Dr.Daman Jeet , Mr S Rakesh

Note: IPR Day was celebrated on 26th April, 2022 to create awareness of IPR Filing and 95 Certificates were distributed to inventors of CBIT who filed IPRs. Senior Patent Attorney Mr. Afzal Hassan was invited to deliver a Talk on "IPR-Improving for Better Future".

IPR (Copy Rights) Registered :

9 Nos. of IPRs (Copyrights) have been Registered by CBIT which are under final stages of grant by Indian Patent/Copyright office.

S No	Title	No. and Date of Registration/Filing	Inventors
1	Virtual Mouse	2376/2022-CO/SW Date: 2/2/2022	Dr G. Vanitha (Faculty) Prof N Ramadevi (Faculty) Mr. Dheeraj Venu (Student)
2	Energy Conservation through Smart Sensing	2372/2022-CO/SW Date: 2/2/2022	Dr. G. Vanitha (Faculty) Ms. G Kavitha (Student), Mr. M. Sahakar (Student)
3	Encoder-Decoder Approach to Automated Essay Scoring for a Deeper Semantic Analysis	2367/2022-CO/SW Date: 2/2/2022	Ms I Srujana (Faculty) Priyatam Naravajhula, Sreedeeep Rayavarapu
4	Fingerprint Image Identification	4043/2022-CO/SW Date: 2/2/2022	Ms. N.S Shivani (Student) Dr R. Ravinder Reddy &

				Dr Rupesh Mishra (Faculties)
5	Nutritious Recipe Advisor for Personalized Diet	4042/2022-CO/SW Date: 23/2/2022		Ms. B. Mouna Shruthi (Student) Dr T. Sridevi, Dr Rupesh Mishra, Ms. M. Sudha Rani. Dr. R. Ravinder Reddy, (Faculties)
6	Social Distancing Alerting System	4041/2022-CO/SW Date: 23/2/2022		Ms. Sai Ananya Sree Vedala, Ms, Dharini V (students) Dr. A Sangeetha & Mr. A Mohan (faculties)
7	Productivity Booster	4040/2022-CO/SW Date: 23/2/2022		Mr. M. Gowtham Sai, (Student) Dr E. Padamala (faculty)
8	Bidirectional isolated dc-dc converter circuit for EV battery storage	L-112510/2022 Date: 28/2/2022		Dr M Balasubba Reddy (Faculty), Mr. K Venkata Sri Ram (PG student), Mr. Y Ranadheer (BE student)
9	A Fuzzy based SoC control for battery life extension	5809/2022-CO Date: 1/3/2022		Dr M Balasubbareddy (Faculty), Mr. K Venkata Sri Ram (PG student)
This is for information of the General Body.				

Minutes:

The General Body noted the information furnished on the IPR Patents granted, published / filed and registered.

Agenda Item No. VII (5)

ARIIA Rating and Institute Innovation Cell Activities:

- ii) **ARIIA Rating:** CBIT is recognised in the Band "**EXCELLENT**" category in the ATAL Ranking of Institutions on Innovation Achievement (ARIIA) 2021.
- ii) **IIC Performance Rating:** CBIT was awarded **four star rating** band along with Top Performing Institutes (Evaluated by Ministry of Education Innovation Cell)

This is for the information of the General Body.

Minutes:

The General noted the information of the ARIIA rating for the year 2021 and Institute Innovation Cell activities as laid out in Agenda **Item No.VII 5.**

Agenda Item No. VII (6)

Collaborations with TiE, Hyderabad and other MoUs with Industries:

Sl. No.	Signed with Industry/ Academy/ Government	Date of signing	Purpose
1.	TiE Hyderabad (The IndUS Entrepreneurs)	9 th May 2022	Entrepreneurship Related programs and training of Students by TiE Officials. One day workshop related to Entrepreneurship and Business Model Canvas was conducted on 9 th May, 22 with participation of 200 Plus students.
2.	COWE (Confederation of Women Entrepreneurs , Telangana Chapter)	20 th May 2022	Joint working and partnership to enhance student knowledge in Entrepreneurship and arranging other related activities by CBIT along with COWE.
3.	M/s. Binford Research labs a PVT LTD	17 th May 2022	To enhance the availability of highly qualified manpower in the areas of Innovative designs of Mechanical, Electrical and Electronics products, Mechatronics, Motor& drives etc. The area of interaction will also include training and internship of students to work on live projects at BINFORD. Proposes to apply for joint projects for Defence funding.
4.	Urban Rebox IT Pvt Ltd	12 th April 2022	For joint working on Dry and Wet Waste Management and meeting green Campus Initiative.
5.	Virtusha Consulting Services Pvt. Limited	14 th June 2022	For enriching practical skills and imparting industry relevant course curriculum to students of all engineering disciplines in the field of Information Technology. To facilitate and train the CBIT's students and faculty on Java by utilizing the Virtusa's relevant experience and projects.

Minutes:

The General Body noted the information provided with regard to the Collaborations with TiE, Hyderabad and other MoUs with Industries.

Agenda Item No. VII (7)

Establishment of AICTE IDEA LAB :

AICTE has approved for the establishment of the Prestigious **Idea Lab** at CBIT (one among four colleges at Hyderabad). AICTE will be providing a fund of Rs.15.00 lakhs for the Idea Lab Establishment (as reimbursement). As per the scheme mentioned in the letter (issued by AICTE), CBIT's Contribution will be Rs.80.00 lakhs. A letter has been sent by Principal, CBIT to Alumni for sponsoring some of the equipment's for the Idea Lab. Some of our Alumni / Industries are interacting with us in this regard. CBIT has submitted the Mandate form to AICTE, expressing the acceptance of the Idea Lab Scheme.

The **AICTE Idea Lab** will help the students to be creative and innovative and get opportunity to convert their idea into a prototype and visualize the world which is sustainable. The young innovative students will get an excellent opportunity to conceive, to create, to innovate, and implement solutions for the benefit the society by addressing Sustainable Development Goals as per the suggested guidelines by AICTE. Four Faculties have been identified for two days training being arranged by AICTE to establish this Idea Lab at CBIT.

Request for approval to open a new Account in the name and style of "AICTE-CBIT IDEA Lab".

Minutes:

The members of the 72nd General Body meeting of the society, CBIT held on 23.08.2022 hereby resolved to open the new account in the name and style of "AICTE-CBIT IDEA Lab" in ICICI Bank, CBIT Gandipet Branch and that the such account is to be jointly operated by the President, Member-Authorized Signatory, and Principal, CBIT and the General Body further approves and resolves for setting up of AICTE-CBIT Idea Lab wherein ACITE will be providing Rs.15 lakhs and CBIT's contribution to be Rs.80 lakhs and further directed the Principal to generate CBIT's contribution of Rs.80 lakhs from CBIT Alumni and other industries.

Agenda Item No. VII (8)

	<p>8. <u>ACIC-CBIT Activity Status</u></p> <p>i) The procurement actions for the Makers Space Equipment's are under progress. Some of the items like Drone related equipment's, Computer systems, 3D-Printer have arrived. POs have been placed for equipment's such as Power Analyzer, Digital Storage Oscilloscope. Enquiry under progress for Laser Cutting Equipment, Thermal Imaging Infrared Camera Scanner, Electronic Boards and other Electrical, Mechanical and Life Sciences related equipment's.</p> <p>ii) Furnishing work along with furniture for ACIC-CBIT space and electrical fittings are under advanced stage of completion by 27th July.</p> <p>iii) The official inauguration of ACIC-CBIT is planned after 29th July 2022</p>
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based on the date given by Atal Innovation Mission Team (AIM).

iv) Twenty Five Start-ups are being mentored at CBIT's ACIC Incubation center for their Idea Incubation and product development.

v) The following Events/Outreach programs were conducted.

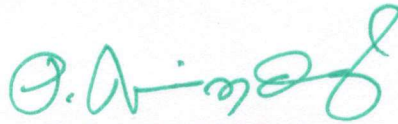
S.No	Date	Event Name	Events description and outcome
1	12/1/2022	Community Outreach Program to Gopalpuram, R.R District, to address youth of Gopalpuram	ACIC CBIT team visited Gopularam village, Ranga Reddy District for community outreach program on Swami Vivekananda's 159 th Birth anniversary to address all the Village youth regarding the importance of innovation and entrepreneurship. They were also told about the upcoming events, facilities in the centre.
2	31/1/2022	CHAITANYAM – Freshmen Ideathon (Final)	Chaitanyam-Freshmen Ideathon was exclusively organized for first years of all degree colleges, drop outs, School students and Rural innovators to encourage them in providing sustainable solutions to the society or community problems. The statistics are as follows: 122 teams registered with 275 total participants, 40 Women Teams, 3 PwD (Person with disability) teams from 14 Institutions and 3 States. 10 SDGs are addressed. Out of which 14 Teams are announced as winners. These Ideas are being further mentored for product development.
3	17/3/2022	Community Outreach Program at Poddatur Village	ACIC reached out to our nearby community (Poddatur Village) and distributed 100 fruit bearing plants and medicinal plants to villagers and asked them to update the growth of plants. The farmers were explained about soil preparation and how to increase soil strength and grow their seasonal fruits, vegetables and medicinal plants. Capacity building on Entrepreneurship, Marketing and Digital skills are planned so they can sustain themselves.
4	28/5/2022	Idea to Prototype First Cohort (I2P) at CBIT	Idea to prototype is a Flagship event, where finalists of Ideathon are incubated and mentored to convert the ideas are converted into prototypes. I2P was conducted and 8 teams out of 10 teams have developed their prototype and

				showcased. The teams were advised for technical improvements and IPRs.
		5	30/5/2022	Innovate for Menstrual Waste Hackathon along with the Telangana State Innovation Cell (TSIC)
		6	5/6/2022	Community Outreach Program at Zahirabad along with RICH Hyderabad.
		7	1/7/2022	Community Outreach Program Ootapally, DOMA Mandal on Health-Related solutions.
				<p>The Hackathon was conducted jointly with TSIC & M/s WaterAid (Non-Profit Organisation) to find solutions for treatment and disposal of used menstrual absorbents in a manner that is safe for the users, environment friendly and can be up-scaled within current waste management systems and processes in both urban and rural contexts. Three Start-ups are being incubated at ACIC-CBIT.</p> <p>An interaction session with dry-land farmers of Zahirabad to understand their problems and suggest best practices. The objectives set for this outreach program were: 1) To interact with the farming community to identify and shortlist problems faced in all stages of crop farming/production and sales. 2) Ideation/ hackathon involving students, innovators and start-ups in the region to develop innovative solutions.</p> <p>Problems/Issues related to agriculture in the area identified. This will be solved through Agree Hackathon Planned on 8th and 9th July.</p> <p>The program was on Community Sensitization on health planning, Identification and participation in community health related issues, and allied activities along with RICH, Hyderabad and DMHO, Vikarabad. A number of health related problems/issues were identified for finding innovative solutions through Ideathon among students and grass root innovators.</p>

Minutes:

The members of the General Body noted the status of the ACIC-CBIT project as on 29.07.2022 and further directed that the matching expenditure from CBIT for purchase of equipment etc. be drawn from NRI student annual fee funds.

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Prof. P. Ravinder Reddy
PRINCIPAL

Copy to Director R&D and Director I&I, CBIT for information and necessary action.