



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad – 500 043

MINUTES OF SIXTH MEETING OF THE ACADEMIC COUNCIL HELD ON 17 SEPTEMBER, 2018

The Sixth Meeting of the Academic Council was held at 03:00 PM on 17 September, 2018 (Saturday) in Sahana Board Room, Bharadwaja block.

Dr. L V Narasimha Prasad, Chairperson of the Academic Council of Institute of Aeronautical Engineering, Dundigal, Hyderabad presided over the meeting.

The following members were present:

S No	Name	Designation	Category
1	Dr. L V Narasimha Prasad	Principal and Professor of Computer Science and Engineering, Institute of Aeronautical Engineering, Hyderabad	Chairperson
2	Dr. E Saibaba Reddy	Principal and Professor of Civil Engineering, J N T University College of Engineering, Hyderabad	JNTUH Nominee
3	Dr. N V Ramana	Principal and Professor of Electrical and Electronics Engineering, J N T University College of Engineering, Jagtial	JNTUH Nominee
4	Dr. B Dean Kumar	Director, BICS and Professor of Civil Engineering, J N T University Hyderabad, Hyderabad	JNTUH Nominee
5	Dr. V Kamakshi Prasad	Director of Evaluation & Professor of Computer Science and Engineering, Jawaharlal Nehru Technological University Hyderabad, Hyderabad	Member
6	Dr. M Anji Reddy	Director, Research & Development and Professor of Centre of Environment, Jawaharlal Nehru Technological University Hyderabad, Hyderabad	Member
7	Dr. P Gowri Sankara Rao	Director Ministry of Micro, Small and Medium Enterprises, Udyog Bhawan, New Delhi	Member
8	Mr. C Praveen Reddy	CEO and Managing Director, Automotive Robotics Engineering Services (India) Private Limited, Secunderabad.	Member
9	Dr. D Govardhan	Professor and Head, Aeronautical Engineering	Member
10	Dr. K Rajendra Prasad	Professor and Head, Computer Science and Engineering.	Member
11	Dr. K Srinivasa Reddy	Professor and Head, Information Technology	Member
12	Dr. P Sridhar	Professor and Head, Electrical and Electronics Engineering	Member

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13	Dr. P Ashok Babu	Professor and Head, Electronics and Communication Engineering	Member
14	Dr. P Srinivasa Rao	Professor and Head, Mechanical Engineering	Member
15	Dr. Venkata Ramana Gedela	Professor and Head, Civil Engineering	Member
16	Dr. M Anitha	Professor and Head, Freshman Engineering	Member
17	Dr. T Srinivasa Rao	Professor and Head, Master of Business Administration	Member
18	Dr. Rizwana	Professor and Head, Freshman Engineering	Member
19	Dr. Ch V K N S N Moorthy	Professor of Mechanical Engineering	Member
20	Dr. R V Krishnaiah	Professor of Electronics and Communication Engineering	Member
21	Dr. M Madhu Bala	Professor of Computer Science and Engineering	Member
22	Dr. D Shobha Rani	Professor of Electrical and Electronics Engineering	Member Secretary

The Chairperson of the Academic Council welcomed all the members. The Academic Council discussed the agenda as per the details given below and resolved them.

Item No.1 To confirm the minutes of Fifth Academic Council meeting held on 12 July, 2018

Resolution: The house members conformed the minutes of Fifth Academic Council meeting.

Item No.2 To report on action taken on the minutes of Fifth Academic Council meeting held on 12 July, 2018

Principal apprised and presented the action taken in accordance with the resolutions / suggestions made,

- Constituted 'Research and Development Mentoring Committee' with the following faculty.

S No	Name of the Faculty	Designation / Department	Role
1	Dr. CH V K N S N Moorthy	Professor, ME	Chairman
2	Dr. D Shobha Rani	Professor, EEE	Member
3	Dr. M Madhu Bala	Professor, CSE	Member
4	Mr. M V Aditya Nag	Assistant Professor, ME	Member
5	Ms. T Saritha	Assistant Professor, EEE	Member

- Academic Council meeting to be convened at least twice in a year
- Collaboration with the following foreign universities is initiated
 1. Nanyang Technological University, Singapore
 2. King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand

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3. Asian Institute of Technology, Klong Luang, Pathum Thani, Thailand
 4. Nakhon Pathom Rajbhat Univerity, Muang, Nakhon Pathom, Thailand
 5. Sakon Nakhon Rajbhat University, Muang, Sakon Nakhon, Thailand
 6. Southern University and A & M College, Los Angeles, USA
- Initiated sending proposals for external research funding under various schemes.
 - The details of Alumni identified geographically since last academic council meet is:

Country	No of Alumni identified
United States of America (USA)	35
United Kingdom	13
Saudi Arabia	20
Australia	16
Sweden	07
United Arab Emirates	21
Hong Kong	11
Kuwait	18
Iceland	09
Canada	17

Resolution: The members of Academic Council accepted the Action Taken Report of the minutes of Fifth Academic Council meeting.

Item No.3 Ratification of approval of Annual Quality Assurance Report (AQAR) submitted to NAAC for the Academic Year 2016 - 2017 and 2017 – 2018

Resolution: Resolved to approve Annual Quality Assurance Report (AQAR) for the academic year 2016 - 2017 and 2017 - 2018.

Item No. 4 Transitory Regulations for the Academic Year 2018 – 2019

As recommended by the different Boards of Studies, the following regulations govern the cases of students for re-admission in to another scheme of course in the institute is forwarded for the necessary approval of the Academic Council.

A student in one scheme (Under IARE-R16 Regulations), detained due to lack of required number of credits or percentage of attendance at the end of any semester is permitted to take re-admission at appropriate level in any other scheme prevailing in the institute subject to the following rules and regulations.

1. Student shall pass all the courses in the earlier scheme. However, in case of having backlog courses, they shall be cleared by appearing for supplementary examinations conducted under R16 regulations from time to time.
2. After readmission, the student is required to study the courses as prescribed in the new regulations for the re-admitted program at that level and thereafter.
3. If the student has already passed any courses of readmitted program in the earlier regulation / semester of study, such courses are exempted.

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4. The courses that are not done in the earlier regulations / semester as compared with readmitted program need to be cleared after readmission by appearing for the examinations conducted time to time under the new regulations.
5. In general, after transition, course composition and number of credits/semester shall be balanced between old and new regulations on case to case basis.
6. In case the students who do not have option of acquiring required credits with the existing courses offered as per the curriculum under autonomy, credit balance can be achieved by clearing the additional courses offered. The additional courses that are offered can be of theory or laboratory courses and shall be offered during semester or summer break.

Students re-joined in III semester shall be treated at par with "Lateral Entry" students for credits and graduation requirements. However, the student shall clear all the courses in B.Tech I Semester and B.Tech II Semester as per R16 autonomous regulations.

Resolution: The board noted and ratified the transitory regulations.

Item No. 5 Proposal For Credit Framework Policy of Online Courses:

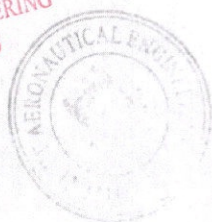
According to the approval given by the UGC and AICTE in their Gazette notification of August 2016, the institutes are introducing the MOOC courses. These courses are availed by students to utilize internship opportunities and prepare for the PSU and GATE examinations. According to the Gazette of India (Extraordinary) Pat-III, Section-4 No. 295, dated 19/07/2016; it is proposed to introduce the credit framework policy in academic curriculum for the Massive Open Online Courses (MOOC's). The approved Gazette of UGC and AICTE and the Guidelines for Development and Implementation of MOOCs by Ministry of Human Resource Development, Department of Higher Education are enclosed in Annexure - I and II respectively.

Following points may be considered while implementing policy:-

- ❖ Importance of online learning and credit transfer policy must be shared with the students at entry level of undergraduate program. Same may be incorporated during induction program for newly admitted students.
- ❖ Credits earned through the MOOC's should be listed on the website and displayed at other common points in the institute to give awareness to the students that those credits are considered during the calculation of overall score.
- ❖ List of online courses will be declared by each department prior to the registration of every semester on the basis of requirement.
- ❖ Two hours per week is contributed by the faculty in order to mentor the students who enroll for the MOOC courses.
- ❖ NPTEL online courses may be proffered as per MHRD MOOC'S guidelines 2.1 and executed as an opportunity for the students to excel.
- ❖ Credit distribution is awarded according to the availability of online courses and their weightage.
- ❖ Transfer of credits will be evaluated by a centralized committee constituted by the Principal.

Resolution: The board noted and ratified the proposal of introducing credit transfer policy for online courses.

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Item No.6 Note on Honours and additional Minor in Engineering

Honours program is vertical in their respective branches for research orientation and Minor is a subject offered by a department other than the department that offers the major of the student or it can be a different major offered by the same department.

A student will be eligible to get Undergraduate degree with Honours or Minor Engineering if he/she completes an additional 20 credits through MOOC's (AICTE Model Curriculum, Chapter1 (B). Student can opt for 12-16 weeks course equivalent to 4-6 credits under mentorship of faculty (MHRD MOOC'S guidelines 11.1 (J).

As per IARE-R18 (based on AICTE model curriculum), students acquiring 160 credits are eligible to get B.Tech degree in Engineering. A student will be eligible to get B.Tech degree with Honours or additional Minors in Engineering, if s/he completes an additional 20 credits (3/4 credits per course).

A total of 20 credits are required to be attained for B.Tech Honours / Minor degree and the distribution of credits from V semester to VII semester are as follows:

V semester: 4 - 8 credits

VI semester: 4 - 8 credits

VII semester: 4 - 8 credits

- The credits required can be acquired through MOOCs from SWAYAM / NPTEL / edX / Coursera / Udacity / PurdueNext / Khan Academy / QEEE etc.
- Every department is required to declare at least 5 to 6 theory courses.
- Essential skill sets required for employability must be identified year wise.
- Students interested in pursuing MOOC courses shall register the course title at their department office at the commencement of the semester against the courses that are announced by the department.
- Any expense incurred for the MOOC course / summer program should be met by the students.

Eligibility:

- Students with no credit arrears and a CGPA of 7.5 or above at the end of the fourth semester
- After registering for the B.Tech (Honours / Minor) programme, if a student fails in any course, s/he will not be eligible for B.Tech (Honours / Minor)
- A student can enroll for both Minor & Honours or two Minors

Scheme of Evaluation:

- For the MOOCs platforms, where examination or assessment is absent (like SWAYAM, Coursera or edX), faculty members of the institute prepare the question papers for the courses undertaken by the students of respective institutes.
- There shall be one Continuous Internal Examination (Quiz exam for 30 marks) after 8 weeks of the commencement of the course and semester end examination (Descriptive exam for 70 marks) shall be done along with the other regular courses.
- The final grade sheet will only show the basic CGPA corresponding to the minimum requirement for the degree.
- The Minors/Honours will be indicated by a separate CGPA.
- The additional courses are given a separate mention in the grade sheet.

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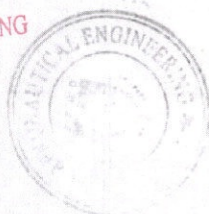
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- If a student drops (or terminated) from the Minor/Honours program, they cannot convert the earned credits into free or core electives; they will remain extra. These additional courses will find a mention in the grade sheet (but not in the degree certificate). In such cases, the student may choose between the actual grade or a "Pass (P)" grade and also choose to omit the mention of the course as per the following: All the courses done under the dropped Minor/Honours will be shown in the grade sheet. None of the courses done under the dropped Minor/Honours will be shown in the grade sheet.
- Honours will be reflected in the degree certificate as "B.Tech (Honours) in XYZ Engineering". Similarly, Minor as "B.Tech in XYZ Engineering with Minor in ABC".
- If a student has done both Honours & Minor, it will be acknowledged as "B.Tech (Honours) in XYZ Engineering with Minor in ABC". And two minors will be reflected as "B.Tech in XYZ Engineering with Minor in ABC and Minor in DEF".
- Every student has the option to do honours/minor in engineering apart from the regular B.Tech course.
- A major is a primary focus of study and a minor is a secondary focus of study. The minor has to be a subject offered by a department other than the department that offers the major of the student or it can be a different major offered by the same department. For example, a student with the declared major in Computer Science and Engineering (CSE) may opt to do a minor in Physics; in which case, the student shall receive the degree B.Tech, Computer Science and Engineering with a minor in Physics. A student can do Majors in chosen filed as per the career goal, and a minor may be chosen to enhance the major thus adding the diversity, breadth and enhanced skills in the field.

Following are the details of such Honours which include some of the most interesting areas in the profession today:

S No	Department	Honours schemes
1	Aeronautical Engineering	Aerospace Engineering / Space Science etc.
2	Computer Science and Engineering / Information Technology	Big data and Analytics / Cyber Physical Systems, Information Security / Cognitive Science / Internet of Things (IoT) etc.
3	Electronics and Communication Engineering	Digital Communication / Signal Processing / Communication Networks / VLSI Design / Embedded Systems etc.
4	Electrical and Electronics Engineering	Renewable Energy systems / Energy and Sustainability / IoT Applications in Green Energy Systems etc.
5	Mechanical Engineering	Industrial Automation and Robotics / Manufacturing Sciences and Computation Techniques etc.
6	Civil Engineering	Structural / Environmental Engineering etc.

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Following are the details of such Minor / Honours which include some of the most interesting areas in the profession today:

1. Space Science	2. Information Security
3. Data Analytics	4. Cyber Physical Systems
5. Electronic System Design	6. Renewable Energy Sources
7. Energy and Sustainability	8. Industrial Automation and Robotics
9. Aerospace Engineering	10. Manufacturing Sciences & Computation Techniques
11. Structural Engineering	12. Environmental Engineering
13. Internet of Things	14. Computer Science and Engineering
15. Technological Entrepreneurship	16. Materials Engineering
17. Physics	18. Mathematics

Resolution: The board noted and ratified the proposal of introducing Honours and Minor in IARE - R18 regulations. The board suggested proposal was presented to the Governing Body and then sent to the affiliated university for approval.

Item No. 7 Note on Center of Excellence on Alternative Energy Sources

Center of Excellence is established in association with various reputed organizations and research laboratories with the intention of providing opportunities for all at IARE so as to obtain individualized and intellectual training that enhances the teaching effectiveness and student learning.

- Innovation in the rapidly growing area of renewable energy resources
- Curricular engagement through teaching, learning and research that engages faculty from various institutions, students, and industry members in mutually beneficial collaboration.
- Mission is designed to address industry-identified issues and finding solutions by developing specific renewable energy projects.
- Increase societal use of produced engineering R&D through technology transfer and commercialization
- Increase research output through publications
- Increase in joint programmes / projects with international Research organizations
- To develop inexpensive systems using abundant and environmentally friendly materials.
- IARE continues to instigate, lead and deliver high quality, research & academic, collaborating with industry, National and international activities.

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The budget estimates of Center of Excellence in Alternative Energy Sources is as follows:

S No	Description	No of Units	Cost per Unit	Total Cost
1	X- ray diffract meter	1	60,00,000	60,00,000
2	Fourier transform infrared (FT-IR) spectroscopy	1	15,00,000	15,00,000
3	Glass wares, Mortar and Pestle, Ultrasonication bath	200	500	1,00,000
4	Fume wood	2	1,50,000	3,00,000
5	Centrifuger (40,000 rpm)	1	80,000	80,000
6	Vacuum ovens	1	45,000	45,000
7	Ovens	2	45,000	90,000
8	Furnaces	2	60,000	1,20,000
9	Solar Simulator	1	1,50,000	1,50,000
10	Magnetic stirrers	4	25,000	1,00,000
TOTAL				84,85,000

Resolution: Members of Academic Council appreciated the efforts of the Management and Principal in establishing the Centre of Excellence on Alternative Energy Sources at IARE.

Item No. 8 Note on Science and Technology Startup Park (STSP)

The idea behind STSP is to "Transform Engineering Ideas into an Amazing Start-Up". Institute of Aeronautical Engineering, Hyderabad runs Science and Technology Start-Up Park (STSP), a technology business incubator facility to support start-ups in the areas of information technology, electrical, electronic and mechanical engineering. The Center enables "Smart Manufacturing via the Make in India Initiative". It aims at offering students with innovative ideas and an opportunity to become entrepreneurs. Promising candidates, who have exciting ideas, can start right from the first year.

- STSP functions in association with the Ministry of Micro, Small Medium Enterprises, the Confederation of Indian Industry, National Entrepreneurship Network, Ministry of Skill Development & Entrepreneurship, PMCIEDC, ITCOT, EDI, SIDCO and TIIC.
- Signed agreement with 16 corporate houses to facilitate incubation of ideas.
- To promote economic development of our nation through establishing a successful innovative entrepreneurship model that provides high quality services through young entrepreneurs.
- To build a vibrant start-up ecosystem, by establishing a network between alumni, students, faculty, and industry.

Services @ IARE – STSP:

- Help with business basics

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- Networking and Marketing activities
- Market Research and Help with accounting/financial management
- Access to bank loans, loan funds and guarantee programs
- Access to angel investors or venture capital
- Comprehensive business training programs
- Advisory boards and mentors
- Management team identification
- Technology commercialization assistance
- Intellectual property management

Resolution: Members appreciated the efforts of the Management and Principal in establishing Science and Technology Startup Park (STSP) at IARE. They also appreciated the activities conducted under STSP.

Item No. 9 Note on Makers Space

MakerSpace is considered a place where informal, collaborative learning and discovery take place through the hands on creation, via use of any combination of science and technology. MakerSpace facilitates both analog (low-tech) and digital (high tech) creation.

Equipment associated with MakerSpace provide skills that contribute to the new forms of literacy which include exposure to various types of technology, problem solving and collaboration skills. Much of the literature on the maker movement offers practical guides for design and implementation of MakerSpace, including tools, technology, projects, and kits, as well as advice for libraries in the beginning stages of planning the physical layout of a MakerSpace.

The emphasis in the profession on the deployment of specific equipment in order to facilitate the making of objects and artifacts should not overshadow the need for librarians to know, understand and be able to articulate the reasons why libraries provide MakerSpace for engineers and engage in 'maker' or IARE programming /activities.

The budget estimate of MakerSpace is as follows:

S No	Description	No of Units	Cost per Unit	Total Cost
1	3D Printing 0.5x0.5x0.5 Double nozzle Aion make	1	4,60,000	4,60,000
2	3D Printing 0.3x0.3x0.3 Single nozzle Pramaan make	1	1,50,000	1,50,000
3	CNC Routing Machine Indus make double spindle	1	6,20,000	6,20,000
4	CNC Routing Machine HY 60x40 with 5 Axis milling, 2.2 KW (China make)	1	1,87,226	1,87,226
5	Laser Cutting Libra make 480 NM	1	5,90,000	5,90,000
6	CNC Lathe Tutor - ACE make	1	12,40,000	12,40,000
7	EDM drill cut machine Electronica make	1	9,75,000	9,75,000

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8	Plasma portable mini cutting machine Warp make	1	2,05,000	2,05,000
9	Robo Arm 5 Axis - FANUC make	2	18,00,000	36,00,000
10	Electro Hydraulic System Bosch Rexroth make	1	25,00,000	25,00,000
11	Electro Pneumatic System Bosch Rexroth make	1	25,00,000	25,00,000
TOTAL				1,30,27,226

Resolution: Members of Academic Council appreciated the efforts of the Management and Principal in establishing Makerspace at IARE.

Item No. 10 Note on Collaboration with foreign universities

Institute of Aeronautical Engineering is participating in MoUs with few foreign universities. It is informed that the management encourages student internships and faculty exchange for research collaboration. A team of faculty members and management from IARE visited the following universities.

1. Nanyang Technological University, Singapore
2. King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand
3. Asian Institute of Technology, Klong Luang, Pathum Thani, Thailand
4. Nakhon Pathom Rajbhat University, Muang, Nakhon Pathom, Thailand
5. Sakon Nakhon Rajbhat University, Muang, Sakon Nakhon, Thailand and
6. Southern University and A & M College, Los Angeles, USA

Our visit to foreign universities is broadly focused on research facilities available and

- Development of collaborative research
- Organization of seminars, workshops, and other meetings on specific topics
- Exchange of students
- Exchange of research scholars
- Exchange of faculty members

Resolutions: The members of the Academic Council were informed that the management encourages student internships and faculty exchange for research collaboration. They appreciated the efforts and encouragement of the Management and Principal in establishing the relations with foreign universities. They suggested the Principal to establish the mechanism for the selection of the students for internships and faculty collaboration.

Item No. 11 Note on Research Projects Sanctioned and Applied

Research is the backbone of academics. It simplifies concept building and transforms new ideas into innovations in pursuance of a new era of passion for research. Each finding gives immense encouragement and multiplies enthusiasm towards achieving the target.

The Research and Development Cell aims to nurture research culture in the College by promoting research in the newly emerging and challenging areas of Engineering, Technology, Science and Humanities. This enhances the general research capability of the budding technocrats by way of participating in conferences / seminars, workshops, project

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competitions etc.

The Major Government Funding Agencies are:

- Department of Science and Technology (DST), New Delhi
- All India Council for Technical Education (AICTE), New Delhi
- University Grants Commission (UGC), New Delhi, etc.

Funded Research Projects			
S No	Status	No. of Projects	Cost (Lakhs)
1	On-Going	10	389.28
2	Under Process (Submitted)	19	716.16
3	Seminar / Conference / MODROBS / FIST / ASPIRE etc	12	108.41

Resolutions: Members of Academic Council noted and ratified the research projects list.

Item No. 12 Note on Recognition of Research Center

The suggestions were made by the members of the Academic Council as follows:

1. Prepare a list of Journals of publication by each department from UGC specified list of journals.
2. Research and Development Mentoring Committee to monitor the quality of research and to identify industry and societal needs.
3. Sending proposals for eternal funding under various schemes in innovation, incubation and research.
4. Filling the application as per the latest guidelines of JNT University Hyderabad for Recognition of Institution as an approved Research Centre has been initiated.
5. Apply University Recognition for Research Centers in Computer Science and Engineering and Mechanical Engineering.

Resolutions: The Governing Body accorded the approval for the submission of the application for 'Recognition of Research Center' in JNT University Hyderabad. The board suggested filling the application as per the latest guidelines of JNT University Hyderabad for Recognition of Institution as an approved Research Centre for Ph.D. Programmes.

The board agreed to constitute a committee to evaluate the application for Research Center at IARE. This committee gives recommendations and evaluates the application for research center.

The members agreed to apply for the Recognition of Research Center in the departments of Computer Science and Engineering & Mechanical Engineering.

Item No. 13 Note on furtherance of Teaching - Learning Process

All the Classrooms are equipped with LED / LCD projectors for interactive teaching learning. Every course in the autonomous system defines learning objectives and learning outcomes and comprises lectures / tutorials / laboratory work / field work / project work / comprehensive Examination / seminars / assignments / MOOCs / alternative assessment tools / presentations / self-study etc., or a combination of some of these. The Alternative Assessment Tool (AAT) may include Modeling and Experimental Tools in Engineering (METE), Micro projects, term paper, open ended experiments, micro projects, five minutes video etc.

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Item No. 14 Note on Modeling and Experimental Tools in Engineering (METE)

Experimentation and data collection are needed to evaluate practices within the engineering community as a means to understand the methods used in its construction. The purpose of this tool is to explore the methods and to understand when each is applicable towards our understanding of the underlying development process. In this section we explore experimentation and its necessity. In Section, we present our classification model of the various forms of experiments that can be applied to the development, which data we can collect through this experimentation, and the strengths & weaknesses of the various methods. The sample list of registered students is enclosed in Annexure – III.

Resolutions: The members of Academic Council noted and ratified.

Item No. 15 Stakeholders feedback and action taken report.

The Principal presented the feedback on design and review of curriculum, received from the stakeholders, employer and alumni for the Academic Year 2017 - 2018. The Action Taken Report based on the feedback is enclosed in Annexure - IV.

Resolution: After deliberate discussions, the board approved the action taken report on stakeholder's feedback.

Item No. 16 Note on IARE BuildIT Go-Lab

We believe that to be leaders in the competing world, students must develop the intellectual breadth and creativity to tackle the challenges of increasing complexity, globalization and rapid change. The Total Student Development Program focuses on every aspect of a student's personality, helping him/her develop interpersonal, technical, and business skills.

This module helps the gap between academic excellence and industry requirement

- Serves to update the student community with the rapidly changing needs and challenges of business
- Helps students learn through classroom sessions, experiential learning and work on relevant assignments
- Provides expert guidance through faculty and industry experienced mentors
- Challenges students with real-life problem statements and encourage to find solutions using current and emerging technologies
- Provides students a platform and bring together multiple partners engaged in Skill Development and Career Building

Note on value added Education & Training through skill development centre:

The total student development program focuses on every aspect of a student's personality, helping him/her develop interpersonal, technical and business skills through 'IARE-GoLABS', which includes

- BUILD IT, Programming Tutorials | Coding Hackathons
- METE | Modeling and Experimental Tools in Engineering
- BOOT Camps | Summer Training program
- DHANUSH | Company specific Tests
- CONCOCT | An innovative idea presentation
- Online Proficiency Tests

S No	Branch	No. of teams participated
1	Aeronautical Engineering	12

2	Computer Science and Engineering	24
3	Information Technology	10
4	Electronics and Communication Engineering	23
5	Electrical and Electronics Engineering	18
6	Mechanical Engineering	18
7	Civil Engineering	08

DHANUSH – 2018 (A Pre-placement Summer Training Program for III B.Tech II Sem PAT Registered Students)

Placement and Training Centre (PAT) has the responsibility of facilitating the Campus Recruitment Programme. The Placement Centre initiates and takes care of contacts with leading organizations for campus visits and is functional throughout the year. It endeavors to match the aspirations of the students with the needs of the Industry.

The PAT center also provides counseling and guidance to the students regarding the visiting organizations, selection procedure, preparation methods & resources thereby ensuring that the students are adequately equipped to face the recruitment tests.

In this highly competitive and ever-changing world, it is critical & imperative that, students must constantly develop and work on themselves to stay ahead of the competition. This would lead to enhanced self awareness, clarity about one's life & career. PAT centre conducts training programs that help students unleash their potentials. This helps the students to be more self assured and become well groomed citizens.

Before you get a job, your job is to impress employers enough so that they will hire you. Usually the first impression you make on an employer may be based on your appearance. If you appear for an interview carelessly groomed, a potential employer may assume you are careless about other things as well.

Benefits in attending the Training Programme:

Participants will be able to:

- Eliminate or change non productive behaviors
- Analyze a typical day, identify priorities, interruptions and distractions and determine what needs to be done, deferred or delegated
- Demonstrate skills of building effective relationships using methods of communication etc.
- Understand the critical to success factors that affect an interview outcome
- Improve interview skills and Raise confidence level
- Raise awareness of the impression you make and how to improve it
- Look at different types of questions and how to deal with them

PROFICIENCY TESTS

Measure Students command of English language, Analytical Ability and C Programming with our free language proficiency tests.

We provide the opportunity for students to test their proficiency level in English language, Analytical Ability and C Programming. We have based this test on the past placement papers and experts in their areas to crack placement written test. We offer these tests for self-evaluation purposes only. You may find that your score on this test is not consistent with other tests you have taken.

Unlike achievement tests or other kinds of tests, proficiency tests are not dependent on

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particular class content, course materials, or language software programs. Instead, a proficiency test is intended to measure your command of in English language, Analytical Ability and C Programming regardless of your background in that particular area.

Boot Camp Programs:

Engineering Boot Camps is a technical training program that helps students of all backgrounds to enhance the technical skills that employers look for. We are offering 13 courses in various engineering streams for 30 days. Students can choose any one course based on their interest and prior knowledge. Maximum intake for each course is 30 and the selection is based on first come first serve registrations.

S No	Branch	Name of the Program	No. of students registered
1	Computer Science and Engineering	Android	16
2		PEGA	13
3		Angular JS	05
4		Sales Force	02
5	Aeronautical Engineering	Flight Simulator	03
6		CNC on VMC	01
7	Electronics and Communication Engineering	Arm Processor	01
8		VLSI Design	06
9	Electrical and Electronics Engineering	Solar Power	03
10	Mechanical Engineering	3D Design	04

Resolution: Members of Academic Council acknowledged the efforts of the Management and Principal in establishing skill development center at IARE.

The sixth meeting of the Academic Council concluded with thanks to the members.

S No	Name	Category	Signature
1	Dr. L V Narasimha Prasad	Chairman	<i>[Signature]</i>
2	Dr. E Saibaba Reddy	JNTUH Nominee	<i>[Signature]</i>
3	Dr. N V Ramana	JNTUH Nominee	<i>[Signature]</i>
4	Dr. B Dean Kumar	JNTUH Nominee	<i>[Signature]</i>
5	Dr. V Kamakshi Prasad	Member	<i>[Signature]</i>
6	Dr. M Anji Reddy	Member	<i>[Signature]</i>

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7	Dr. P Gowri Sankara Rao	Member	<i>P. Gowri Sankara Rao</i>
8	Mr. C Praveen Reddy	Member	<i>C Praveen Reddy</i>
9	Dr. D Govardhan	Member	<i>D Govardhan</i>
10	Dr. K Rajendra Prasad	Member	<i>K Rajendra Prasad</i>
11	Dr. K Srinivasa Reddy	Member	<i>K Srinivasa Reddy</i>
12	Dr. P Sridhar	Member	<i>P Sridhar</i>
13	Dr. P Ashok Babu	Member	<i>P Ashok Babu</i>
14	Dr. P Srinivasa Rao	Member	<i>P Srinivasa Rao</i>
15	Dr. Venkata Ramana Gedela	Member	<i>V Venkata Ramana Gedela</i>
16	Dr. M Anitha	Member	<i>M Anitha</i>
17	Dr. T Srinivasa Rao	Member	<i>T Srinivasa Rao</i>
18	Dr. Rizwana	Member	<i>Rizwana</i>
19	Dr. Ch V K N S N Moorthy	Member	<i>Ch V K N S N Moorthy</i>
20	Dr. R V Krishnaiah	Member	<i>R V Krishnaiah</i>
21	Dr. M Madhu Bala	Member	<i>M Madhu Bala</i>
22	Dr. D Shobha Rani	Member Secretary	<i>D Shobha Rani</i>

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