

Activity Report for the Period June 2010 to April 2011

The major activities of the period between June 2010 and April 2011 are as follows:

- For the First time, the chapter has conducted model examination for +2 students and more than 360 students enrolled for the examinations.
- The chapter conducted the National Council Meeting at Tiruchy on 26th Feb. 2011, which was appreciated well by the HQ.
- The chapter annexed the Best Chapter Award for its overall performance among the largest chapters of the Institute for the record 11th time and second time in a row.
- For the First time, the chapter has conducted a QUIZ ON SCIENCE IN VERNACULAR LANGUAGE FOR SCHOOL CHILDREN”.
- The chapter collected and sent Rs. 284750/- as subscription during the period.
- Dr. V P. Raghupathy, eminent metallurgist conferred the “Dr. G. V. Memorial Award 2010”.
- IIM Merit Award for academic excellence to the wards of our members.
- 131 new members including 13 life members were added during the year, which resulted in 20.56% increase in Membership over last year.
- FAB 91 - The two day international workshop on “Fabrication and Processing of Grade 91 Materials” was conducted successfully with over 400 delegates.
- Two interactive visits and Get together with Karaikudi region members.
- METTLE 11 – a mega national level student event was conducted in association with the student chapter of National Institute of Technology, Tiruchirappalli.
- TMAQ 10, the mega quiz programme to select teams for BPMMQ 10 was conducted in three phases. Preliminary written round was conducted at seven centres. 526 students from 89 schools situated in the 19 districts of Tamil Nadu participated in the event.
- Chapter teams emerged as Winner and Runners Up in the international BPMMQ 10. It is the Hat – trick victory for the chapter.
- CROME 2011 was conducted on April 7, 2011 at MAMCE, Tiruchy.
- The Executive committee met 16 times.
- Seven Lecture programmes were conducted.
- Six issues of Metall, the house journal of IIM Tiruchirappalli chapter were brought out.
- Prof. Dr. Sivan of NITT, won the coveted Distinguished Teacher award 2010 of IIM.
- National Metallurgists Day was celebrated at Chapter Office.
- MACHIZMO 2011 was conducted at MAMCE student Chapter.
- The 31st AGM was conducted in April 2011 and audited accounts were submitted.

1.0 MEMBERSHIP

The IIM, Tiruchirappalli Chapter has completed its thirty years of continuous and significant service to the metallurgical fraternity, an achievement, which it can really be proud of. The membership status of our chapter is as follows.

Category	As on May 31, 2010	As on April 30, 2011
ASM	07	06
LF	01	01
LM	52	65
OM	340	308
PM	01	01
ST	242	318
Total	643	691

During the year, the chapter has enrolled 131 new members including 13 life members and sent Rs. 287450/- to HQ as subscription realised from the members.

2.0 STUDENT CHAPTERS' ACTIVITIES

2.1 METTLE 2011

METTLE the premier national annual event for the budding metallurgists is organised by the student chapter of the Indian Institute of Metals (IIM) at the National Institute of Technology, Tiruchirappalli (NITT) along with the metallurgical association of the NITT and the Tiruchirappalli chapter of IIM. This year, the METTLE 2011 was held on 11th and 12th of March 2011 and there were various events and guest lectures in the course of two days. Nearly 200 participants from more than 20 institutions participated in METTLE 2011.

On 11th March 2011, the event was inaugurated by Dr. John Philips, Head (Smart Materials Section) of IGCAR, Kalpakkam in a colourful function. Dr. S. Natarajan, Professor and Head, MME Dept. of NITT presided over the function.



A guest lecture on Smart Materials was delivered by Dr. John Philip and another guest lecture on Energy Materials was delivered by Dr. Ramkumar Orgunti, Senior Scientist, GE Global Research, Bangalore. The guest lectures were the flash points of METTLE 2011. A number of papers in subjects such as Ecap, Surface Engineering, and Nano technology were presented during technical sessions by the students.

Mr. N. Rajasekaran, Manager, WRI, BHEL, Tiruchirappalli and his team members organized a technical quiz contest in a lively way and with recent information. Other events namely Industrial problem solving, Biz Quiz and FabSteel went on exceptionally well. A workshop on "Advanced Fabrication and Characterization Techniques" was a new addition in METTLE 2011. Students from various educational institutions participated in the above events with enthusiasm.

On 12th March 2011, in the valedictory session, Hon. Secretary of IIM, Tiruchy Mr. N Rajasekaran was the chief guest. In his address, he said, "to excel in every aspect of career and life, one should have 3 Cs – the capability, the communication and commitment".

Mr. Ramkumar Oruganti, Dr K S Pandey and Dr V Sivan and Dr S Natarajan addressed the gathering. Dr. S Muthukumarn gave impressions about METTLE 2011. Kudos to the team comprising Mr. T K Sawaiyan, Mr. C R Sriram, Mr. Mohan Raj and others under the chairmanship of Mr. Yasiruddin which did an excellent job.

2.2 LECTURE PROGRAMMES

The student chapters organized various lecture programmes on various topics related to engineering in the respective colleges.

2.3 CROME 2011

NATIONAL STUDENTS' CONFERENCE ON "MATERIALS AND THEIR PROCESSING"

IIMT organized CROME 2011 – National Students' Conference on "Materials and their Processing" – on April 7, 2011 in association with the IIM Student Chapters of NIT Tiruchirappalli, Jayaram College of Engineering and Technology and MAM College of Engineering, Tiruchirappalli. The conference included student paper presentations. The event was held at the premises of MAM College of Engineering, Tiruchirappalli.

During the occasion, Dr V P Raghupathy Eminent Metallurgist was conferred the Dr GV Memorial Award 2010. Ten papers were received from a total of five academic institutions, from the southern States including from NIT Tiruchirappalli, Anna University, Tiruchirappalli, MAM College of Engineering, Tiruchirappalli, and CARE, Tiruchirappalli and many other academic institutions. Student presentations covered a wide range of topics including selection of Materials, Testing of Materials, Design of components, Synthesis of Materials, Liquid Metal Processing, Joining of Materials, etc. Over 150 students – registered as author delegates / delegates, enjoyed the technical programme immensely. Even students from other branches of engineering got excited about opportunities in metals and materials.

The event was inaugurated by Mr. S. Karunakaran, Chairman of IIM Tiruchirappalli Chapter in a colourful function on the morning. Prof. R. Varadharajan, Head (E&I), MAM College of Engineering presided over the function. Mr. N. Rajasekaran, Hon. Secretary of IIM, Tiruchy briefed about CROME 2011. Dr. N. Kannan, Principal, JCET, Thuraiyur offered his felicitations. Dr. N. Baskar, Head of Department (Mechanical), MAM College of Engineering welcomed the gathering. Mr. P. Chellapandi, Asst. Professor, Mech dept. of MAMCE proposed the vote of thanks.

Best presentations by the student members were awarded during the valediction of CROME 2011. Prof. Dr. S Natarajan, HOD (MME) was the chief guest and he distributed the prizes. Dr. N. Kumar, Principal, MAMCET presided over the function. Mr. D Katherasan of NITT, summed up the proceedings. Mr. G Rajendran, Hon. Treasure of IIM Tiruchy welcomed the gathering and Mr. L M Subramanian, Convenor of CROME 2011 proposed the vote of thanks.

2.4 MACHIZMO 2011

NATIONAL LEVEL TECHNICAL SYMPOSIUM

MACHIZMO 2011 is the sequel in the annual event of the student chapter at MAMCE. The event was organised during 17th and 18th March 2011. It included Paper presentation, CADD modeling, Technical Quiz, Aqua Jet, Gaming, Mock interview and Mr. Macho. Around 200 students participated in the event.

3.0 TMAQ X

- The Tiruchirappalli chapter of the India Institute of Metals conducted the "TMAQ X" in two stages with the following objectives.
 - To create awareness on the wonderful world of materials among more +1 and + 2 students in the Matriculation, English medium and CBSE schools in 19 districts of Tamil Nadu & Karaikal of Pondicherry state (Thiruvannamalai, Cuddalore, Villupuram, Perambalur, Erode, Ariyalur, Tiruchy, Pudukkottai, Sivaganga, Madurai, Theni, Dindigul, Tirunelveli, Thothukkudi, Nagarcoil, Thiruvarur, Nagapattinam, Karaikal, Namakkal, Karur).
 - To select the qualifying teams for BPMMQ 2010.



- Following are the highlights of TMAQ X.
- The 19 districts and Karaikal region was divided into two regions.
 - TMAQ X, brochures were printed and sent to 1000 schools in all the above districts.
 - The EC members of IIM Tiruchy, traveled to many districts to meet the principals of schools to get wider participation, particularly to Nagappatinam and Erode districts.
 - Printed question papers with 60 questions and answer sheets were used.
 - News about the quiz programme was given in all leading news papers of Tamil Nadu.
 - 526 students from 89 schools participated in the written preliminary round held at seven centres spread among the two regions. IIM EC members with student chapter members traveled to all the centres to conduct the quiz on 08th August 2010.
 - Participation certificates were issued to all the students by IIM Tiruchy in a function.
 - Out of that 24 teams were selected based on their performance in the written test. The selection was not based on centre. Based on overall ranking of all the students for each region.
 - Snacks and tea were given to all students and accompanying persons by IIM Tiruchy.
 - A pen was given to all the students by IIM Tiruchy.
 - Top three performers at each centre were given prizes by IIM Tiruchy. The qualified 24 teams were invited to Tiruchy on August 22, 2010 for semi final and grand finale rounds.
 - They have undergone a semi final oral round with 8 rounds of quizzing in the morning of 22nd August 2010.
 - Based on the overall rankings top three teams from each region were selected for the finals.
 - During the intervening period, a talk on Opportunities in the field of Metallurgy was given by students of NITT. It is worth to note that few students, who attended the quiz earlier, joined NITT metallurgy dept. made the presentation.
 - The final was a well prepared multimedia round having 9 rounds of quizzing.
 - From that top two winners from each region were qualified for BPMMQ 2010.
 - A pen was given to all the students by IIM Tiruchy.
 - Morning snacks with tea, lunch and evening tea with snacks were given to all the 48 students and their accompanying persons by IIM Tiruchy.
 - Certificates were given to all students by IIM Tiruchy.
 - A cash prize of Rs. 5000/-, Rs. 3000/- and Rs. 2000/- was given to the top three winners.
 - One way bus fare was given to all the participants.
 - Accommodation was given to the needy students at free of cost.

3.1 SEMI FINALS & FINALS OF TMAQ X

The semi final round of TMAQ X started by 08 30 hours with registration on 22nd August 2010. For many participants from far off places like Tirunelveli, the journey started on the previous day itself and the chapter has made arrangements for their accommodation. Hon. Secretary (IIM Tiruchy) welcomed the participants, parents and teachers. Shri R Easwaran, Chairman (TMAQ X) & Quiz Master TMAQ briefed the students about what is waiting for them and the schedule for the day. The two regional groups then went into draw of lots to choose the respective hall for contesting the semi final round.

Mr. R. Easwaran, Mr. G. Rajendran, Dr. Raman Sankaranarayanan and Dr. R Vaideeswaran were the quiz masters for the four halls in which the semi finals were held. The teams which have undergone a grueling quizzing round in the beautiful world of metals and materials got a



breather when the opportunities available in the materials world was presented by the student chapter members of National Institute of Technology, Tiruchirappalli.

A delicious lunch was served to all the participants as well as accompanying parents and teachers. The finals started by 2 PM on that day to select the winners of each region to represent the chapter in the BPMMQ 2010, at Kalpakkam. The technical team lead by Dr Raman Sankaranarayanan under the guidance of Mr. R Easwaran prepared the questions for the finals for which Mrs. A Santhakumari added glitter and colours by her own way of multimedia presentation of the rounds. Mr. R Easwaran was the Quiz Master and he was assisted by Mr. N Rajasekaran, Mrs. A Santhakumari and Dr. Raman Sankaranarayanan. The nine rounds of quizzing with multimedia presentation held at the A 13 hall of NITT were enjoyed by one and all. It was a closely contested event by the participants as the winners could emerge clearly after the final round only.

At the end of the finals, the top two teams for each region were selected to represent the chapter at Kalpakkam during the international BPMMQ 2010. Immediately after the quizzing round the organising committee lead by Mr. N Parameswarar swung into action to make arrangements for the prize distribution and valediction of TMAQ X.

The following is the list of winners of the two regions.

- Mr. S. B. Viswesh, Chinmaya Vidyalaya P.A.C.R. Mat. Hr. Sec. School, Rajapalayam
- Mr. V. Vishnu Prasad, Sri Jayendra Swamigal Silver Jubilee Matric HSS, Tirunelveli
- Miss. R. Saranya, Sri Jayendra Swamigal Silver Jubilee Matric HSS, Tirunelveli
- Miss. G. Subbulakshmi, Sri Jayendra Swamigal Silver Jubilee Matric HSS, Tirunelveli
- Miss. M. R. Madhumitha, TVS Matric. HSS, TVS Nagar, Madurai
- Miss. S. Malavika, TVS Matric. HSS, TVS Nagar, Madurai
- Mr. M. Muthukishore, Sri Jayendra Swamigal Silver Jubilee Matric HSS, Tirunelveli
- Mr. R. Alakar Srinivasan, Sri Jayendra Swamigal Silver Jubilee Matric HSS, Tirunelveli

3.2 VALEDICTION OF TMAQ X

Mr. N Parameswarar Convenor (TMAQ X) welcomed the gathering for the valediction of TMAQ X. Mr. R Easwaran, Chairman (TMAQ X) made a journey through TMAQ X. Mr. S Karunakaran, Chairman (IIM Tiruchy) presided over the function and congratulated team TMAQ X for the excellent conduct of the quizzing rounds as well as for its technical content. He appreciated the students and teachers for participating in the event in large numbers. Dr. M. Chidambaram, then Director of NITT, addressed the students and explained them about the abundant opportunities available for them in the engineering career, particularly in the field of materials engineering. He congratulated IIM Tiruchy for taking the efforts in taking the quiz to the school students and creating an awareness among them.

Er. S. Sakthivel, Deputy Director of Boilers, Tamil Nadu who was the chief guest of the evening addressed the students to utilize the better opportunities available to them to enhance their capabilities as well as to sharpen their skills so that they could be better prepared to face the world with confidence. He distributed the cash prize of Rs. 5000/- and Rs. 3000/- to the winners and runners up respectively and Rs. 2000/- to the third placed team. He was joined by Dr. M. Chidambaram and Mr. S Karunakaran.



Mr. N Rajasekaran, Hon. Secretary (IIM Tiruchy) proposed the vote of thanks. He thanked the students, teachers and parents as well as the managements of all schools. He conveyed his sincere thanks to the Principals, teachers and the managements of the 7 schools for enabling the chapter to conduct the preliminary rounds successfully. He also thanked chairman (TMAQ X), the convenors of TMAQ X and the EC members of IIM Tiruchy and the student chapter members for their whole hearted involvement and support in making TMAQ X as an astounding success. He also thanked the sponsors of the event, the Sterlite Industries, Thoothukkudi, The NIT, Tiruchy, the SBI, Kailasapuram, the PNB, BHEL Township and the BHE ECB, Tiruchy. Mr. G. Rajendran conducted the proceedings.

4.0 MERITORIOUS AWARD 2010

The meritorious awards of IIM Tiruchy for the year 2010 for the students who excelled in their 10th and + 2 examinations were distributed on the same day. The students were selected from the wards of the members of IIM Tiruchy. The following are the winners of this year.

+ 2 students

Ms. Santhiya S	Mr. N. Selvaraj	Sr. Engr	PE(B), BHEL
Ms. Sangeeta K R	Mr. K. Raju	Sr. Mgr	Valves, BHEL
Mr. Nitinkumar R	Mr. K. Rajendiran	CECRI	Karaikudi

10th Students

Ms. Nivedha L K	Mr. KR Karupppiah	CECRI	Karaikudi
Mr. Shanjith R	Mr. K. Raja	Mgr	PE(B), BHEL
Mr. Nandhagopal A R	Dr. A. Raja	AGM	WRI, BHEL

Shri S. Karunakaran, Chairman (IIM Tiruchy) distributed the awards and the meritorious certificates to the students who came along with their happy parents. The award carried a cash prize of Rs. 2000/-, Rs. 1500/- and Rs. 1000/- respectively for +2 and 10th standards. The awards were presented during the valediction of TMAQ X. The two member committee consisting of our EC members Mr. M Jayaraj and Mr. S Subburaj coordinated this activity.



5.0 INTENSIVE TRAINING TO THE TEAMS FOR BPMMQ 2010

Prior to their departure to BPMMQ, the teams were invited to Tiruchy. The chapter provided free accommodation and boarding for the teams as well as to the teachers at Tiruchy for their comfortable stay. The student chapter members under Dr Raman provided intensive training to the teams on various topics. Mrs. A. Santhakumari and Dr. R Vaideeswaran conducted mock up quizzes for them. Mr. N Rajasekaran gave valuable tips about Dumb Charades round. Mr. K Raja and Mr. N Parameswaran made all the arrangements for the teams. Mr. S. Karunakaran, Chairman (IIM Tiruchy) and Mr. R. Easwaran, vice chairman (IIM Tiruchy) gave tips to face the quiz confidently.

6.0 BPMMQ 2010

Mr. Nikhil, the EC member of IIM Tiruchy accompanied the teams to Kalpakkam. In the well organized programme, three teams from IIM Tiruchy entered into the finals. Chairman (IIM Tiruchy) along with the Hon. Secretary joined the teams during the finals. His august presence encouraged the teams to perform better. The teams from the chapter got the appreciation of the quiz master Dr. Sumanth. Two teams from the chapter emerged as the winners and runners. Though the difference in score between the winners and runners up is low, but the gap between them and the rest of the teams was huge. The huge margin of victory showed the dedication of the students, the teachers and team IIM Tiruchy. The third team from the chapter clinched the fourth place. The essay submitted by Miss. S. Malavika on "Bio Degradable Materials" was selected for printing in the souvenir of BPMMQ 2010. Mr. Sanak Misra, former President of IIM, who delivered the Prof. Brahm Prakash Memorial Lecture, distributed the prizes.



7.0 FELICITATION TO THE WINNERS OF BPMMQ 2010

The EC of the chapter decided to felicitate the teams participated in BPMMQ 2010 and achieved the Hat Trick victory for the chapter. The unparalleled victory in the chapter's long history brought cheers to the team IIM Tiruchy, which was longing for so many years to taste victory in the BPMMQ.

Shri A V Krishnan, Executive Director of BHEL, Tiruchirappalli complex and Patron of the chapter was kind enough to spent time with the students along with his wife Mrs. Rajam Krishnan.

The function was organized at the S K Mazumder hall of the institutions building at BHEL Township on October 4, 2010. All the students were invited along with their parents as well as teachers and principals. Prof. Dr. Raman Sankaranarayanan welcomed the gathering. Mr. R. Easwaran presented the journey from TMAQ X to BPMMQ X. He appreciated the students as well as their schools for their dedication in winning both the winners and runners up in the prestigious tournament. He also highlighted the efforts put by each members of IIM Tiruchy EC for this tremendous achievement,

Mr. S. Karunakaran, Chairman (IIM Tiruchy) who presided over the function shared the moments he spent with the teams during the finals of BPMMQ 2010. He requested the EC to continue to work for the objectives of IIM and advised it conduct events for the polytechnic students.

Mrs. Rajam Krishnan, first Lady of BHEL complex distributed books to the students as a memoir. During his address Mr. A V Krishnan said, "Participating in such competitions will not only hone the skills but also foster the culture of team work in the minds of the students. While preparing for such competitions, the students get an opportunity to go beyond their text books which will enlarge their knowledge base". He appreciated the services of IIM Tiruchy under the chairmanship of Shri Karunakaran. He advised the EC to carry out more such activities which will be more beneficial to the younger generations of the country.

Prof. Dr. Sivan, then Director in Charge of NITT offered his felicitations and fondly recalled the efforts put by the chapter in the yester years. Past Chairman Shri G Uma Shanker, national council members Shri M. Krishnamurthy and Dr K Asokkumar, Mr. Jayendran, Correspondent of Shri JSSSMHSS, Tirunelveli and EC members of IIM Tiruchy celebrated the occasion. A delicious dinner was served to all those present in the meeting.



8.0 QUIZ ON SCIENCE IN VERNACULAR LANGUAGE FOR SCHOOL CHILDREN

The Tiruchirappalli chapter of IIM, joined hands with the Tamil Nadu Science Forum (a voluntary organization) and Lions Club of Srirangam to conduct a science quiz in Tamil, the language of the state for students studying in 6th standard to 12th standard. The students were divided into three groups viz. Group A – Std. 6, 7 and 8; Group B – Std. 9 & 10 and Group C – Std. 11 and 12. Students formed a team of three to compete in this team event. A special round on Metals and Materials was conducted as part of the quiz programme which included rounds on Physics, Chemistry, Science around us, Reasoning, Ecological balance, etc. Over 430 students from various schools of Tiruchirappalli district participated in the programme. Lunch was served to all the children by the organizers. Mr. N Rajasekaran, Hon. Secretary of IIM Tiruchy participated in the prize distribution and addressed the children. Ln. C Manikandeswaran, President of Lions club of Srirangam, Mr. G Rajendran, Hon. Treasurer of IIM Tiruchy, Mrs. A. Santhakumari and Mr. N Parameswaran, EC Members of IIM Tiruchy and Mr. Thiru Murugan, President of Tamil Nadu Science Forum, Tiruchirappalli were the other guests.

9.0 FELICITATION TO THE LONG SERVING MEMBERS AND FAMILY GET TOGETHER OF IIM TIRUCHY EC

On September 21, 2010, the Tiruchirappalli chapter of IIM conducted a family get together for the EC members and their families at Hotel Breeze Residency. During the occasion, two senior members of the chapter Mr. K Radhakrishnan of BHEL and Mr. T Selvin Devasahayam of CECRI, Karaikudi were felicitated in recognition of their exemplary services rendered for the growth of the chapter, particularly in membership growth. Mr. N. Rajasekaran, Hon. Secretary of IIM Tiruchy welcomed the gathering. Mr. P Nainar, Vice Chairman garlanded Mr. Radhakrishnan and Mr. G Uma Shanker past chairman garlanded Mr. Selvin Devasahayam. Mr. S. Karunakaran Chairman (IIM Tiruchy) lauded the services of both the members and recorded their immense contributions. A plaque appreciating their services for the growth of IIM was presented by the chairman. All the speakers including Mr. P Nainar, Mr. R. Easwaran, Mr. G. Uma Shanker, Mr. M. Krishnamurthy, Dr. K. Asokkumar, Mr. John Berchmans, Mr. M. T. Sambandam and Mr. N Parameswaran recalled their associations with the senior members, their contributions and their uniqueness. Mr. Selvin Devasahayam and Mr. Radhakrishnan expressed their profound thanks to the chairman and EC for recognizing their services. Mr. G Rajendran, Hon. Treasurer of IIM Tiruchy proposed the vote of thanks. Gifts were given to the spouses of EC members and a delicious dinner followed the meeting. This year's annual get together was sponsored by the EC members who got elevated in their official capacities.



10.0 DURGA POOJA / AYUDHA POOJA AT IIM TIRUCHY OFFICE

On 16th October 2010, the chapter celebrated the “Durga Pooja” / “Ayudha Pooja” at the Institutions building along with the Indian Welding Society, The Indian Institute of Welding, Computer Society of India and the Indian Institute of Plant Engineers. The EC members of IIM Tiruchy led by Mr. S. Karunakaran, Chairman participated in the pooja celebrations. Sweets and gifts were distributed to all EC members and staff working in the building.



11.0 NOMINATIONS TO IIM AND NMD AWARDS 2010

With an objective to encourage more members to participate in the NMD awards and IIM awards contest, the chapter formed a task force to mobilize nominations from the members of the chapter. The task force members are

- Prof. Dr. Raman Sankaranarayanan
- Mr. N Rajasekaran
- Dr. R. Vaideeswaran
- Mr. G. Rajendran
- Mr. N Parameswaran
- Mr. K. Raja
- Mrs. A. Santhakumari



The communication from HQ about the awards was hosted in the web site of IIM Tiruchy. Besides communication was sent to all members through E mail (the bulk mail system of IIM Tiruchy). The task force met periodically to review the status of applications. A record number of 11 applications were collected from members for various categories of awards and forwarded to head quarters. This is the first time such an exclusive effort is taken by the chapter.

Prof. Dr. Sivan, then Director – in – Charge of National Institute of Technology, Tiruchirappalli received the “Distinguished Teacher Award 2010” from President IIM during NMD 2010.

12.0 TEAM IIM TIRUCHY AT NMD - ATM, BANGALURU



Mr. S. Karunakaran Chairman (IIM Tiruchy) led a team of 11 delegates from the chapter to attend the NMD – ATM 2010. The team included Mr. N. Rajasekaran, Hon. Secretary (IIM Tiruchy), Mr. G. Rajendran, Hon. Treasurer (IIM Tiruchy), Mr. N. Parameswaran, Imm. Past Secretary (IIM Tiruchy), Mr. John Berchmans, Joint Secretary (IIM Tiruchy) and other office bearers of IIM Tiruchy.

The BPMMQ 10 winners attended the function along with their parents, school Principal and correspondent and received the awards.

The Chairman received the Best Chapter Award on behalf of IIM Tiruchy from the President Dr. Dipankar Banerjee for the record 11th time.

13.0 NMD CELEBRATIONS AT IIM TIRUCHY OFFICE

The National Metallurgists' Day was celebrated at IIM Tiruchy office on 16th November 2010. The EC members and members of IIM Tiruchy chapter participated in the event.

Mr. N. Rajasekaran, Hon. Secretary (IIM Tiruchy) welcomed the gathering for the function. Mr. R. Easwaran, Vice Chairman (IIM Tiruchy) presided over the function. He recalled the significant contributions made by the chapter during this year and thanked the chairman for his active leadership for the betterment of IIM Tiruchy. He recorded his appreciation to the EC led by the Hon. Secretary.



Mr. S. Karunakaran, chairman of IIM Tiruchy garlanded the portrait of Pandit Jawaharlal Nehru and offered floral tributes. Mr. Easwaran, Mr. G. Uma Shanker (Past Chairman IIM Tiruchy), Mr. N Rajasekaran, Mr. G. Rajendran, Mr. N. Parameswaran, Mr. M. Krishnamurthy and other members joined with the chairman in offering floral tributes.

Addressing the gathering, Mr. Karunakaran briefed about the NMD – ATM held at Bangalore. He also took pride that it is the first time that 11 delegates attended the NMD and appreciated the efforts put up by the organizing committee of NMD – ATM 2010 in making elaborate arrangements. He appealed all the members to work for the growth of IIM. He also indicated that the chapter may conduct the CROME 11 in February 2011 and a two day workshop on "Processing of New Generation Boiler Materials 2011" (PONGEBOM 2011) during July 2012.

Mr. Uma Shanker, Mr. M. Krishnamurthy and others offered felicitations. Mr. G Rajendran, Hon. Treasurer proposed the vote of thanks. A delicious dinner was served for all those present.

14.0 GET TOGETHER MEETING WITH ISTE MEMBERS OF CECRI, KARAIKUDI

On 23rd evening a team of IIM members including Mr. N. Rajasekaran, Hon. Secretary, Mr. G Rajendran, Hon. Treasurer, Mr. M. Krishnamurthy, NC member, Mr. K. Radhakrishnan, Joint Secretary visited CECRI, Karaikudi and joined with the members of IIM Tiruchy - CECRI members to participate in the get together meeting with the members of ISTE, Karaikudi. During the meeting it was proposed to have joint lecture programmes at Karaikudi and Tiruchirappalli as well as a joint workshop on corrosion. Similarly, both the organizations will jointly conduct programmes at polytechnics and engineering colleges at the region. Mr. Selvin Devasahayam, the Sr. Member of IIM Tiruchy was felicitated on the eve of his superannuation. Dr. John Berchmans, Joint Secretary of IIM Tiruchy made all the arrangements. Mr. Palanichamy, President of ISTE participated in the discussions.



15.0 MODEL EXAMINATION FOR + 2 STUDENTS BY IIM



The Tiruchirappalli chapter of IIM, joined hands with M/s Omega Tuition Centre, Tiruchirappalli in conducting a model preparatory examination for the students of + 2, who were going to appear in this year's Public Examination. The exams enabled the students to assimilate themselves to the environment of the actual examination. The



question papers were set by experienced teachers in the pattern of the state examination. The 360 and add students who registered for the examinations said, "By attending the examination, we were able to evaluate ourselves and it will be good for us to know our weaknesses and improve upon for the final examinations". Many parents expressed their happiness and gratitude to the chapter for making this new venture and requested the chapter to continue its services.

Shri S Karunakaran, Chairman, IIM, Tiruchy programme and distributed the answer sheets on Arunachalam, DGM (BHEL) presided over the Hon. Secretary, Shri G Rajendran, Hon. Treasurer, Secretary offered their felicitations.



chapter inaugurated the 02nd January 2011. Shri function. Shri N Rajasekaran, Shri N Parameswaran, Imm. Past

Mr. Sridhar, Mr. Samuthira Pandi and Mr. programme briefed the students about the total seven examinations were conducted Chemistry and Biology subjects in 7 consecutive Sundays. The exams were conducted at the BHEL Matric, HSS, with the support of the school management and Principal.

Nallasivan, coordinators of the pattern of the examination. In covering Maths, Physics,



The evaluated answer sheets were distributed on 13th February 2011. The teachers who evaluated the answer sheets were present during that occasion and clarified the doubts and queries of the students.

Mr. Chandrasekar Dave, Director of Omega group, Mr. R Easwaran, Vice Chairman of our chapter, Ln. Manikandeswaran, President of Lions Club of Srirangam participated in the function in which the top three students in each examination were awarded.

It is the FIRST TIME, the chapter has conducted such examinations.

16.0 WORKSHOPS AND SEMINARS

16.1 INTERACTIVE SEMINAR ON "WELDING OF NEW MATERIALS FOR SUB-CRITICAL & SUPER CRITICAL STEAM BOILERS"

The Tiruchirappalli chapter of the Indian Institute of Metals has organized an interactive seminar on "Welding of New Materials for Sub-Critical & Super Critical Steam Boilers" on October 5, 2010 at Tiruchirappalli. The event was organized in association with Indian Welding Society, BHEL small Scale Industries Association (BHELSIA) and Böhler Welding Group India at Hotel Breeze Residency, Tiruchirappalli. Mr. Rajappa Rajkumar, President (BHELSIA) welcomed the gathering. Mr. S. Dharmalingam, General Manager (R&D, WRI and Labs) and Chairman (Technical Committee, IWS) presided over the function. Er. S Sakthivel, Dy. Director of Boilers, Tamil Nadu presented the memento to the speaker. Dr. S Suresh, Vice Chairman (IIM Tiruchy) introduced the speaker.



Mr. A V Krishnan, Executive Director of BHEL Tiruchirappalli Complex and Patron of the chapter inaugurated the seminar. During his inaugural address Mr. Krishnan said, "Indian power sector is poised for quantum leap in capacity addition. To meet the highest demand, there is a necessity to go for higher capacity boilers. We are introducing 800 MW capacity boilers and these high pressure and high temperature boilers requires new generation materials like P 91, P 92, Super 304 H, etc. By using these super critical boilers, we can multi pronged benefits like reduced specific coal consumption per MW, cleaner environment and reliable production. To fabricate components using these materials, we have to develop newer consumables and welding procedure".

Mr. B. Pattabhiraman, Past President of IWS and MD of GB Resurgent Group made the introductory remarks. In his address he said that the introduction of super critical boilers necessitates using new generation materials and to join these materials, we should develop special welding consumables and welding procedures, especially, with the creep properties.

Dr. Herbert Heuser, Global Industry Segment Manager of Bohler Schweisstechnik Deutschland GmbH, Germany was the speaker and delivered the lecture on the theme of the seminar. He briefed the participants about the recent developments in consumables for P 91 and P 92 materials and the welding procedure for using these consumables.

More than 100 participants from all over Tamil Nadu attended the programme. Senior officials from BHEL, Cethar vessels, GB Engg, Veasons Energy systems, TNEB, etc. participated in the programme. M/s Bohler India Group hosted the event and dinner for the participants.

Mr. Abby Joseph, Managing Director of Bohler India Group proposed the vote of thanks. Mr. N Rajasekaran, Hon. Secretary conducted the proceedings.

16.2 SEMINAR on "RECENT TRENDS IN PRESSURE VESSELS WELDING & CONSUMABLE DEVELOPMENT"

The Indian Institute of Metals, Tiruchirappalli chapter in association with Indian Welding Society, BHELSEA, Weldwell Speciality pvt. Ltd., Mumbai and Taseto Company Limited, Japan with the support of M/s MM Associates of Tiruchirappalli organized a seminar on "Recent trends in pressure vessels welding & consumable development" at Breeze Residency hotel, Tiruchirappalli on 21st November 2010.

Mr. Rajappa Rajkumar, President, BHELSEA welcomed the gathering. Mr. G Uma Shanker, Past Chairman (IIM Tiruchy) presided over the function. Mr. B Pattabhiraman, Past President of IWS addressed the gathering and stressed the important roles of consumables in joining pressure vessels and presented the mementos to the speakers. Mr. N. Rajasekaran, Secretary (IIM Tiruchy) conducted the proceedings and Mr. G Rajendran, Hon. Treasurer (IIM Tiruchy) proposed the vote of thanks.



Mr. Eiichi Yamamota, Technical Advisor, Taseto co. Ltd., Mr. Yasuhiro Sato, Senior Technical Expert, Taseto and Mr. Minoru Otsu - Welding company, Kobe Steel Ltd made presentations on "Production, Damage & Repair welding of pressure vessels/Reactors" and "Bi Free Stainless Steel Flux Cored Welding Wires" .

16.3 INTERACTIVE SEMINAR ON "PUTTING LIFE INTO ENERGY" (SPECIAL GRADE SS CONSUMABLES)

The Indian Institute of Metals, Tiruchirappalli Chapter and Outokumpu India Private Limited, New Delhi joined hands with Indian Welding Society and BHEL small scale industries association (BHELSEA) to organize an interactive seminar on "Putting Life into Energy" (Special Grade SS Consumables). The seminar was conducted at Hotel Breeze Residency on February 22, 2011, Tiruchirappalli.

Mr. Bernd Becker and Mr. Francois Weisang - Hoinard, Outokumpu, Sweden made technical presentations on special grade SS consumables as well as SS materials. The talk was around the theme of Outokumpu, Sweden "Putting Life into Energy". The eminent speakers also made a brief introduction about their company and its products. Around 65

delegates including Mr. B. Pattabhiraman MD of GB Resurgent group, Mr. C N Ravi, Head (QA), BARC, Mr. G Uma Shanker, Director of Vecons Energy Systems Pvt Ltd, Mr. Maruthamuthu, Addl. General Manager, Procurement of BHEL, Mr. S Singaravelu, Sr. Manager of WTC, BHEL, Mr. Rajappa Rajkumar, President (BHELSIA) & Vice Chairman of IWS, Mr. S Arunugiri, Head, Quality of Cethar Vessels Limited, Mr. M selvaraj and Dr V Anbazhagan of welding Methods groups of Nuclear Products of BHEL, Mr. N Rajasekaran of WRI, BHEL, Mr. L Ramachandran of BARC, Tiruchirappalli, Mr. N Pandian from defence, Mr. S Sankaran from Fabweld and from various industries in and around Tiruchirappalli have attended the seminar. At the end of the seminar, a dinner was hosted for the participants by Outokumpu India Pvt Ltd.

Earlier, Mr. N Rajasekaran, Secretary, IIM, Tiruchirappalli chapter welcomed the gathering. Mr. Rajappa Rajkumar, President, BHELSIA & Vice chairman of IWS, SZ inaugurated the programme. Mr. Hirdesh Kalra who has organized and co-ordinated the programme from the Outokumpu end proposed the vote of thanks. The participants expressed that the content of the seminar as well as the interaction are useful for them.

16.4 International Workshop on “FABRICATION AND PROCESSING OF GRADE 91 MATERIALS (FAB 91)”

A first of its kind international workshop in India on 'Fabrication and Processing of Grade 91 material' (FAB 91) was organised by the Tiruchirappalli chapter of the Indian Institute of Metals in association with the Modernisation department of Bharat Heavy Electricals Limited (BHEL) and Welding Research Institute, BHEL between 25th and 26th February 2011 at Tiruchirappalli.

FAB 91 attracted over 400 delegates representing all segments in the sphere of fabrication from all over the globe, though organised at short notice. The immense contemporary relevance of the workshop accrues from the rapid strides being witnessed in the country's power scenario with coal-firing efficiency taking centre-stage what with India envisaging composition of about 70 per cent of super-critical units in thermal capacity for 12th plan and almost entire capacity of the coal-fired units in the 13th plan.



From the current installed capacity of 1.6 lakh MW, India intends to add eight lakh MW by 2032, which would mean mass capacity addition of 20,000 MW every year. In demand by power industry in various forms, Grade-91 material that withstands high temperature (up to 700° C) and pressure was vital for manufacture of super critical, ultra super critical, and advanced ultra super critical boilers. Use of the material paves way for harnessing resources and extending the life of reserves, Director (E, R&D) of BHEL Shri O. P. Bhutani said, inaugurating FAB 91. Welding consumables and appropriate welding processes pose the next big challenge, Shri Bhutani said, calling for automation and process optimisation at power sector erection sites to ensure consistency in quality and avoidance of rework. He advocated empowerment of vendors with trainings in use of P 91 material.



Presiding over the function, the Patron of IIM Tiruchirappalli chapter and Executive Director of BHEL Tiruchirappalli Shri A. V. Krishnan observed that pressure part manufacturers failing to handle such material in future face the risk of exiting from fabrication business. The BHEL, Tiruchirappalli, has not come across any instance of cracks in any of the 1,000 plus bends with P 91 pipe.



However, there was a problem in removing highly adherent scales, which, in many cases have to be chiselled out, he said, exhorting the participants to arrive at a remedy for the entire boiler industry. BHEL, Tiruchirappalli, has used over 12,000 tonnes of P 91/ T 91 materials last year, and the usage was expected to grow by four to five times with super critical sets gaining prominence, said Shri Krishnan. Shri Ranjan Sahi, Executive Director, BHEL, New Delhi, presented the first copy of the workshop CD to Shri R. Sundar, Director of Boilers, Tamil Nadu.

S. Karunakaran, Chairman of the chapter and General Manager (SSTP, Moderinsation & Civil), BHEL welcomed the gathering and Shri S. Dharmalingam, General Manager (R & D, WRI and Labs), BHEL proposed the vote of thanks.

Shri R. Easwaran, Vice chairman of the chapter and Chairman of FAB 91 briefed about the workshop. Shri N Rajasekaran, Hon. Secretary conducted the proceedings. Shri K Raja, Co-ordinator of FAB 91 introduced the Chief Guest. Shri P Nainar, Vice Chairman of the chapter, Shri G Uma Shanker, former chairman of the chapter and Director of Vecons Energy Systems and senior officials of BHEL and other organisations graced the inaugural function.

Mr. J C Marwah, Secretary General of IIM, Mr. Sarkar, Joint Secretary of IIM and Mr. Roy, Treasurer of IIM, Mr. Pugazhendy, past president of IIM and National council members including Shri Kamatchi Mudali attended the colourful programme and participated in the technical deliberations.



Experts from renowned organisations like Alstom, BHEL, TATA consulting engineers, V&M, Tenaris, Bohler Welding group, Kobe steel, Metrode and Flash forge made detailed presentations on grade 91 materials, welding processes and consumables, fabrication and in-service behaviours, NDE, RLA and the castings and forgings of grade 91 materials.

Padmashri Dr. Dipankar Banerjee, President (IIM) and Prof. IISc, Bangalore was the chief guest of Valediction function. In his address, Dr Banerjee complemented the chapter for its performances. Shri P Nainar, Vice Chairman of the chapter and General Manager (HR) of BHEL presided over the function. Dr. S Suresh Vice Chairman of the chapter and Addl. GM (WRI & Labs) welcomed the gathering. Dr. H S Jain, Executive Director (Corp R&D) of BHEL was the guest of honour.



Shri S Sakthivel, Dy. Director of Boilers, Tamil Nadu addressed the gathering. Shri S Manimozhi, Sr. Manager (WRI) summed up the proceedings. Shri N Rajasekaran, Hon. Secretary of the chapter and Manager (WRI) proposed the vote of thanks. Shri A Meyyappan, Joint Co-ordinator of FAB 91 introduced the chief guest. Shri G Rajendran Hon. Treasurer of the chapter and Sr. Manager, BHEL conducted the proceedings.

Mrs. A Santhakumari, Dr. Raman Sankaranarayanan, Shri N Parameswaran, Shri M T Sambandam, Shri K Radhakrishnan, Shri K E Rajgopalachari, Shri M Jayaraj, Shri L M Subramanian, Shri Nikhil, Shri M Periasamy, Shri P Chellapandi, Shri Lenin, Shri P Govindaraj, Shri M Selvaraj and other EC members of the chapter and Shri M Krishnamurthy, National Council Member of IIM played active role in successful organisation of FAB 91. At the end of the workshop, an interactive session on “Present needs and emerging trends in welding for power industry” was organised and the views of the participants are compiled for further processing.

17.0 IIM NC MEETING AT TIRUCHY ON FEBRUARY 26, 2011

The chapter hosted the NC meeting of the institute at Hotel Breeze Residency, Tiruchirappalli on February 26, 2011. President, First VP, Secretary General, Jt. Secretary, Treasurer, Past presidents and host of NC members from various industries and institutions participated in the meeting. The highlight of the meeting is the address by Shri A V Krishnan, our Patron and Executive Director (BHEL, Tiruchirappalli Complex) to the NC members. In his address, he stressed the



important role being played by professional bodies in shaping the latest technologies at shop floors. Later the chapter hosted a dinner in the honour of NC members. Earlier our chapter chairman Shri S Karunakaran welcomed the NC members and made a presentation about the activities of IIM Tiruchy.

Earlier in the morning, the NC members had a meeting with our patron at his office. Then, they visited the shops of BHEL and appreciated the work culture and dedication of all in the unit.

In the afternoon, the team led by our president and past president Mr. Pugazhendy visited our chapter office. Hon. Secretary N Rajasekaran welcomed the delegation at chapter office and took them around and showed the facilities. Mr. M Krishnamurthy National Council Member from our chapter and Shri K Radhakrishnan, Joint Secretary made all the efforts in conducting the NC meeting and co-ordinated all the activities for the comfortable stay of all NC members.

18.0 INTERACTIVE SESSION WITH MEMBERS OF THE STUDENT CHAPTER

On 26th February 2011, the student members attached to the National Institute of Technology, the MAM College of Engineering and Jayaram College of Engineering and Technology had a rare opportunity to meet and interact with our President and other NC members.



The student member posed queries on the career opportunities, the future of technologies for materials processing, areas of research, higher studies, support for higher studies, etc. Mr. Sarkar, Joint Secretary & Hon. Treasurer of IIM conducted the proceedings. Dr. Dipankar Banerjee, president, Mr. J C Marwah, Secretary General, Mr. S. Pugazhendy, former president, Mr. Narayana Rao, Vice President, Mr. A K Roy, General Manager of IIM, Mr. S. Karunakaran, Chairman, Mr. P Nainar, Vice Chairman, Mr. R Easwaran, Vice Chairman, Dr. S Suresh, Vice Chairman of IIM, Tiruchy chapter and Prof. Dr. S. Natarajan of NITT participated in the session. Dr. Raman Sankaranarayanan of NITT, Mr. Lenin of JCET, Mr. P. Chellapandi of MAMCE co-ordinated the event along with Mr. L M Subramanian, EC member of the chapter. Mr. N Rajasekaran, Hon. Secretary proposed the vote of thanks.

19.0 SUPPORTS TO PROFESSIONAL ACTIVITIES

During the year, the chapter supported the International Conference on “Cutting, Welding and Surfacing – CWS 2011” organised by Indian Welding Society, Southern zone and Its Coimbatore centre during January 22-23, 2011. Dr. S Suresh, Vice Chairman, Shri N Rajasekaran, Hon. Secretary, Shri G Rajendran, Hon. Treasurer participated in the proceedings.

20.0 TECHNICAL LECTURES

The Chapter has arranged the following technical lectures during this year.

Date	Title	Speaker	Co-organised by
11/06/2010	Modelling of Weld Distortion Using “SYSWELD” Software	Mr. JOSEF TEJE, MECAS ESI s.r.o (ESI Group), Plzen, Czech Republic	Indian Welding Society
17/08/2010	Nature cure through traditional food	Dr. S V Rajan, Herbal Advisor, Attur, Salem	Indian Welding Society, The Institution of Engineers (India) and Indian Society for Non Destructive Testing
02/12/2010	Advanced materials for super critical boilers and their properties	Mr. Stefano Caminada, M/s Tenaris Alloys, Italy	Indian Welding Society, The Institution of Engineers (India), BHELSIA and Indian Society for Non Destructive Testing
02/12/2010	FCAW consumables for Tempalloy materials	Kobe Steel Limited, Japan	

20/12/2010	<i>Inter Pulsed Narrow Bead TIG Welding Process for Welding of Ni Based Super Alloys</i>	<i>Dr. R. Gopalakrishnan, Managing Director, MATCON, Bangalore</i>	Indian Welding Society & Indian Society for Non Destructive Testing
20/01/2011	Welding of Non Ferrous Materials	<i>Mr. T K Mitra, Consultant & Welding Technologist, Kolkata</i>	Indian Welding Society & Indian Society for Non Destructive Testing
07/04/2011	Life line of welding – Low Hydrogen Electrodes Moisture Resistant E 7018 and E 7018 – 1 H4 R	<i>Mr. M P Dhankuka, Executive Director (Tech & Mktng), GEE Limited, Kalyan</i>	Indian Welding Society

21.0 VISIT TO KARAIKUDI



A team under Chairman (IIM Tiruchy) visited CECRI Karaikudi for a get together and interaction with members of Karaikudi Region to strengthen the movement of IIM. The following are the outcome of the meeting.

- Exchange of faculty for lecture programmes.
- Conducting lecture programmes for polytechnic students.
- Organising workshop / seminar on corrosion.
- Start a student chapter at Karaikudi during the year 2010-11.



About 30 members from Karaikudi region attend the meeting and exchanged ideas. A meeting, first of its kind evoked a positive momentum among the members of IIM Tiruchy. A delicious lunch was arranged for all the members.

The team also undertook a plant visit to the upcoming BHEL plant at Thirumayam on that day to understand the planning and layout concepts.

22.0 INDUSTRIAL TOUR

On 29th January 2011, the members of IIM, Tiruchirappalli chapter undertook an industrial tour along with their family members, to the Jindal Steel Works at Mettur, Tamil Nadu. With over 25 participants, Mr. K Raja, Tour coordinator took them around the Herbal Garden at Mettur and the famous Stanley Reservoir across river Cauvery at Mettur. Enroute to the factory, the participants visited the Lord Anjaneya Temple at Namakkal.



23.0 COMMITTEE MEETINGS

The executive committee has met 16 times during the year and discussed various points.

24.0 ANNUAL GENERAL MEETING

The 31st Annual General Meeting of the Indian Institute of Metals, Tiruchirappalli Chapter was held the Institutions Building, BHEL Township, Tiruchirappalli on April 27, 2011. Over 110 members attended the AGM along with their families.

When the members were engaged in the business session, there were fun games and Tambola for the spouses and children at the Lawns of the building. Mrs. Karunakaran, Mrs. Mallika Uma Shanker, Mrs. Pankajam Nainar and Ms. Laya Durga Rajasekaran conducted programmes for spouses. They were assisted by Mr. K Radhakrishnan, Mr. M L Mohammed Ismail and Dr. R Vaideeswaran. The team consisting Mr. K Raja, Mr. A Meyyappan, Mr. S Subburaj, Mr M Jayaraj, took care of the catering arrangement for the members and their families.

The AGM started with the welcome address by Mr. R Easwaran, Vice Chairman of the chapter. He highlighted the team work which made the year 2011-12 and appreciated the dynamic leadership by Mr. S Karunakaran, Chairman of the chapter.

Mr. N Rajasekaran, Hon. Secretary of the chapter presented the Secretary's report for the year 2011-12. The report covered all the activities of the chapter through the year. The report was unanimously adopted by the AGM. Mr. G Uma Shanker proposed the approval of the report and it was seconded by Mr. M Thirugnanasambandam.

The audited accounts statement presented by the Hon. Treasurer Shri G Rajendran was approved by the AGM. Mr. V Thyagarajan proposed the accounts for approval and it was seconded by Dr. K. Asokkumar.

Addressing the members, Mr. S Karunakaran Chairman expressed satisfaction that the year 2011-12 was an eventful one and many of the plans / dreams were realised during the year. He highlighted the conduct of National council meeting at Tiruchy, winning the best chapter awards for the 11th time, model exam for + 2 students, winning of BPMMQ awards, Industrial tour as the major achievements of the year. He complimented the secretary and the EC for their tireless work. He appealed the members to strengthen IIM by enrolling more members. He set a target of 100 new members for the year 2011-12. He thanked the vice chairmen, the EC and all members for their support.

Mr. S. Karunakaran also presented mementos for the EC members for their contributions towards subscription realization (Mrs. A Santhakumari and Mr Selvin Devasahayam), Membership Growth (Mr Chellpandi, Mr Lenin, Mr LM Subramanian, Mr N Rajasekaran, Mr D Katherasan, Mr N Parameswaran, Mr G Rajendran, Mr K Radhakrishnan, Dr. Raman Sankaranarayanan, Mr P Nainar, Mr S Karunakaran), FAB 91 (Mr K Raja, Mr A Meyyappan, Dr S Suresh, Mr R Easwaran) during the occasion.

Mr. M. Thirugnanasambandam, Past Secretary and Returning Officer conducted the election of the EC for the year 2011-12. Mr. P Nainar Vice Chairman of the chapter and General Manager (HR) of BHEL took over as Chairman. Mr. R Easwaran, AGM (QC) of BHEL Dr. S Suresh, AGM (Labs and WRI) of B HEL and Prof, Dr. S Natarajan, HOD, MME Dept. of NITT took over Vice Chairman. Mr. N. Rajasekaran of WRI was elected Secretary and Mr. G. Rajendran, of BHEL was elected as Treasurer. Dr. Raman Sankaranarayanan of NITT, Dr L John Berchmans of CECRI, Mr. K, Raja of BHEL were elected as Joint Secretaries and Mr. A. Meyyappan of BHEL as Joint Treasurer. The elected EC members are shown in the Annex.

The AGM unanimously accepted the proposals to retain Mr. S V Seetharaman as Auditor for the year 2011-12 and his remuneration was fixed as Rs. 1000/-. Shri P Nainar the Chairman for the Year 2011-12 then addressed the members. In his address he said, " The EC under the chairmanship of Mr S Karunakaran has achieved bench marking performances and it will be an uphill task to match the performance. I am hopeful that the new team will live upto the challenges and set new bench marks". Mr. V Thyagarajan and Mr G Uma Shanker, Past Chairmen of the chapter offered their felicitations to the new team. Mr. S Sakthivel, Dy. Director of Boilers, in his special address said, "The chapter should conduct many courses for practicing engineers and seminars like FAB 91 to serve the engineering community in a better way". Dr. S. Suresh, Vice Chairman proposed the vote of thanks, Shri N Parameswaran past secretary conducted the proceedings. A delicious dinner was served for the members and their families.



(N. Rajasekaran)
Hon. Secretary

Activity Report for the Period April 2011 to June 2011

The major activities of the period between April 2011 and June 2011 are as follows:

- **The 31st AGM was conducted in April 2011 and audited accounts were submitted.**
- **The Activity report for the period June 2010 to April 2011, Secretary's report for the year 2011-12, Audited accounts as on March 31, 2011, report on AGM, 3 year rolling plan, technical plan for next year, Details of Executive Committee for the year 2011-12 were sent to HQ and Student Chapter grant utilization certificate were sent to HQ on**
- **Dr V P Raghupathy, Professor, PESIT, Bangalore was conferred the coveted Dr G V Memorial Lecture Award 2010.**
- **First EC meeting of the year was conducted on May 11, 2011.**
- **11 New Annual Members, 4 Life Members and 50 Student Members were enrolled during the period. Two student members are going to appear for the AMIIM Examinations. Subscription for 4 members was already sent to HQ. For others it is being sent.**
- **A Lecture Programme on "Automation for fabrication of boiler components" was organised in association with Indian Welding Society, BHELSEA, Indian Institute of Welding and TN Boilers.**
- **A Get together with the EC members of Indian Welding Society, BHELSEA, Indian Institute of Welding and TN Boilers was conducted.**
- **Lecture Programmes on "Construction and Working Principle of Power Boilers" were conducted at Jayaram Polytechnic and at Imayam Polytechnic, Tiruchirappalli. Together over 200 students and faculty got benefitted out of the programme.**
- **Brochures for TMAQ 11 were printed and sent to about 1000 schools in 25 districts of Tamil Nadu and Pondicherry state.**
- **Nominations for National Council were sent in time.**
- **Various Working Committees were formed for better co-ordination of various activities.**
- **One lecture Programme on "LIFE LINE OF WELDING LOW HYDROGEN ELECTRODES MOISTURE RESISTANT E-7018 H4R & E 7018-1 H4R" was delivered by Mr. M P Dhanuka, ED (Tech & Mktng), GEE Limited, Thane on April 7, 2011.**
- **Co-organised the Workshop on "Process and Quality Improvement Through Arc Welding Signature Analysis".**

1.0 MEMBERSHIP

During the period between April 1, 2011 and June 27, 2011, 65 new members were added in various categories. The membership has grown by 12% during the period. In addition subscription for the year 2011-12 was realized from 181 members as on date out of 320 members. Balance amount will be realised by 15th July 2011.

Category	As on April 01, 2011	As on June 27, 2011
ASM	06	06
LF	01	01
LM	65	69
OM	300	310
PM	01	01
ST	162	212
Total	535	599

2.0 LECTURE PROGRAMMES AT POLYTECHNIC COLLEGES



On 7th June 2011, Mr. K Radhakrishnan, Former Sr. Manager of BHEL delivered Lectures at Jayaram Polytechnic College and Imayam Polytechnic College, Tiruchirappalli. The theme of the talk was “Construction and Working Principle of Power Boilers”. At the programme at Jayaram Polytechnic, Mr. P Muthusamy, Principal welcomed the gathering. Dr P Kumar, HOD (Mech) of JCET introduced the speaker. Over 75 3rd year mechanical engineering students participated in the programme. Mr. A Senthil, Lecturer, Jayaram Polytechnic College proposed the vote of

thanks.

On the same day, in the afternoon session, a programme was conducted at Imayam Polytechnic College, in which over 125 students participated. Mr. A Rajasekaran, Principal, Imayam Polytechnic college welcomed the speaker and the gathering. Mr. R Ravishankar, HOD (Mech) of the same college of introduced the speaker. Mr. Katherasan, our EC member and student chapter co-ordinator arranged the programmes. These programmes are arranged in association with the student chapter of JCET.



3.0 ANNUAL GENERAL MEETING OF THE CHAPTER WITH FAMILY MEMBERS

The 31st Annual General Meeting of the Indian Institute of Metals, Tiruchirappalli Chapter was held the Institutions Building, BHEL Township, Tiruchirappalli on April 27, 2011. **Over 110 members attended the AGM along with their families.**

When the members were engaged in the business session, there were fun games and Tambola for the spouses and children at the Lawns of the building. Mrs. Karunakaran, Mrs. Mallika Uma Shanker, Mrs. Pankajam Nainar and Ms. Laya Durga Rajasekaran conducted programmes for spouses. They were assisted by Mr. K Radhakrishnan, Mr. M L Mohammed Ismail and Dr. R Vaideeswaran. The team consisting Mr. K Raja, Mr. A Meyyappan, Mr. S Subburaj, Mr. M Jayaraj, took care of the catering arrangement for the members and their families.

The AGM started with the welcome address by Mr. R Easwaran, Vice Chairman of the chapter. He highlighted the team work which made the year 2011-12 and appreciated the dynamic leadership by Mr. S Karunakaran, Chairman of the chapter.

Mr. N Rajasekaran, Hon. Secretary of the chapter presented the Secretary's report for the year 2011-12. The report covered all the activities of the chapter through the year. The report was unanimously adopted by the AGM. Mr. G Uma Shanker proposed the approval of the report and it was seconded by Mr. M Thirugnanasambandam.

The audited accounts statement presented by the Hon. Treasurer Shri G Rajendran was approved by the AGM. Mr. V Thyagarajan proposed the accounts for approval and it was seconded by Dr. K. Asokkumar.

Addressing the members, Mr. S Karunakaran Chairman expressed satisfaction that the year 2011-12 was an eventful one and many of the plans / dreams were realised during the year. He highlighted the conduct of National council meeting at Tiruchy, winning the best chapter awards for the 11th time, model exam for + 2 students, winning of BPMMQ awards, Industrial tour as the major achievements of the year. He complimented the secretary and the EC for their tireless work. He appealed the members to strengthen IIM by enrolling more members. He set a target of 100 new members for the year 2011-12. He thanked the vice chairmen, the EC and all members for their support.

Mr. S. Karunakaran also presented mementos for the EC members for their contributions towards subscription realization (Mrs. A Santhakumari and Mr. Selvin Devasahayam), Membership Growth (Mr. Chellapandi, Mr. Lenin, Mr. LM Subramanian, Mr. N Rajasekaran, Mr. D Katherasan, Mr. N Parameswaran, Mr. G Rajendran, Mr. K Radhakrishnan, Dr. Raman Sankaranarayanan, Mr. P Nainar, Mr. S Karunakaran), FAB 91 (Mr. K Raja, Mr. A Meyyappan, Dr S Suresh, Mr. R Easwaran) during the occasion.

Mr. M. Thirugnanasambandam, Past Secretary and Returning Officer conducted the election of the EC for the year 2011-12. Mr. P Nainar Vice Chairman of the chapter and General Manager (HR) of BHEL took over as Chairman. Mr. R Easwaran, AGM (QC) of BHEL Dr. S Suresh, AGM (Labs and WRI) of B HEL and Prof, Dr. S Natarajan, HOD, MME Dept. of NITT took over Vice Chairman. Mr. N. Rajasekaran of WRI was elected Secretary and Mr. G. Rajendran, of BHEL was elected as Treasurer. Dr. Raman Sankaranarayanan of NITT, Dr L John Berchmans of CECRI, Mr. K, Raja of BHEL were elected as Joint Secretaries and Mr. A. Meyyappan of BHEL as Joint Treasurer. The elected EC members are shown in the Annex.

The AGM unanimously accepted the proposals to retain Mr. S V Seetharaman as Auditor for the year 2011-12 and his remuneration was fixed as Rs. 1000/-. Shri P Nainar the Chairman for the Year 2011-12 then addressed the members. In his address he said, "The EC under the chairmanship of Mr. S Karunakaran has achieved bench marking performances and it will be an uphill task to match the performance. I am hopeful that the new team will live upto the challenges and set new bench marks". Mr. V Thyagarajan and Mr. G Uma Shanker, Past Chairmen of the chapter offered their felicitations to the new team. Mr. S Sakthivel, Dy. Director of Boilers, in his special address said, "The chapter should conduct many courses for practicing engineers and seminars like FAB 91 to serve the engineering community in a better way". Dr. S. Suresh, Vice Chairman proposed the vote of thanks, Shri N Parameswaran past secretary conducted the proceedings. A delicious dinner was served for the members and their families.

4.0 Dr. G V MEMORIAL AWARD 2010

Dr. GV Memorial Award 2010 was conferred on the eminent metallurgist Prof. Dr. V.P. Raghupathy, PES Institute of Technology, Bangaluru on April 8, 2011 during the national students 'conference CROME 2011 held at MAM College of Engineering, Tiruchirappalli. During the occasion Shri N Rajasekaran, Hon. Secretary of IIMT chapter welcomed the gathering and paid rich tributes to Dr. G. Venkataraman.

On this occasion Dr. V. P. Raghupathy delivered a lecture on "Laminated composites". In his lecture he highlighted, the components in sandwich composites and their applications. Lecture also dwelt upon the properties of sandwich components and the possible modes of failure in sandwich panel. Ms. A. Santhakumari adorned a shawl on Mrs. Hema Venkataraman during the occasion. Shri K. Radhakrishnan, Joint Secretary, IIMT introduced Dr. V. P. Raghupathy to the audience. Shri S. Karunakaran presented the memorial award plaque to Dr. V. P. Raghupathy. Shri E. Rajagopalachari proposed the vote of thanks.

5.0 FIRST EC MEETING OF THE YEAR 2011-12

The first EC meeting for the year 2011-12 was conducted on May 11, 2011 at the Institutions building and the following business was transacted.

1. AGM Report
2. Submission of unaudited accounts for the Month April 2011
3. Subscription realisation
4. Plan for the year 2011-12
5. 3 year activity plan
6. NC Members Nomination for the year 2011-12
7. NMD and ATM Awards committee for Nominations
8. Best chapter award criterion
9. TMAQ XI
10. Membership Status
11. Formation of working committees
12. News from HQ

6.0 LECTURE PROGRAMMES

6.1 LECTURE PROGRAMME ON “LIFE LINE OF WELDING LOW HYDROGEN ELECTRODES MOISTURE RESISTANT E-7018 H4R & E 7018-1 H4R”

The Tiruchirappalli chapter of the Indian Institute of Metals has organized a lecture programme on “LIFE LINE OF WELDING LOW HYDROGEN ELECTRODES MOISTURE RESISTANT E-7018 H4R & E 7018-1 H4R” at Tiruchirappalli on April 7, 2011. The event was organized in association with Indian Welding Society. Mr. N. Rajasekaran, Hon. Secretary of the chapter welcomed the gathering and introduced the speaker.

Mr. M P Dhanuka, Executive Director (Tech & Mktng) of GEE Limited, Thane and a Veteran in the field of welding consumables delivered the lecture in which chapter members and student chapter members participated and got benefitted. Over 60 participants attended the programme. Mr. G Rajendran, Hon. Treasurer of the chapter proposed the vote of thanks.

6.2 LECTURE PROGRAMME ON “RECENT TRENDS IN PRESSURE VESSELS WELDING & CONSUMABLE DEVELOPMENT”

On 25th May 2011, a lecture on Automation for fabrication of boiler components” was organised in association with Indian Welding Society, BHEL SIA, Indian Institute of Welding and TN Boilers. The event was jointly organised in association with W Tec China. Mr. Rajappa Rajkumar, President, BHEL SIA welcomed the gathering. Dr. S Suresh, Vice Chairman (IIM, Tiruchy) proposed the vote of thanks. Shri N Rajasekaran, Hon. Secretary and Shri G Rajendran, Hon. Treasurer of the chapter made all the arrangements.

7.0 WORKSHOP ON “PROCESS AND QUALITY IMPROVEMENT THROUGH ARC WELDING SIGNATURE ANALYSIS”.

The chapter co-organised the above workshop and nominated 20 student chapter members, free of cost, for the workshop on “Process and Quality Improvement through Arc Welding Signature Analysis”.

Univ.-Prof. Dr.-Ing. Habil Dietrich Rehfeldt, Leibniz University Hanover, Germany was the main faculty and Dr. A Raja, Dr K Asokkumar, Mr. C P Ravichandran of WRI were the other faculties. The workshop covered the following areas.

- Introduction to Arc Physics and Power source.
- Evaluation of arc welding Power Sources through signature analysis.
- Metal transfer mechanism in GMAW process.
- Signature to defect correlation and method for Quality improvement.
- Effect of flux coating composition on process characteristics.

- Analysis Welding Consumables and their effect through signature analysis.
- On-line Process Monitoring.

Mr. N Rajasekaran, Secretary and Mr. G Rajendran, Treasurer and Mrs. A Santhakumari, EC member were the co-ordinators of the workshop.

8.0 GET TOGETHER WITH EC MEMBERS OF IWS, IIW, BHELSEA AND TN BOILERS

On 25th May 2011, a get together with the office bearers and EC members of IWS, IIW, BHELSEA and TN Boilers association was conducted at Hotel Breeze Residency, Tiruchirappalli.

9.0 OTHERS

Preparatory activities for TMAQ X1, the Quiz on Metals and Materials for +1 and + 2 students were started. 1000 brochures were printed and being sent to schools in the 25 districts of Tamil Nadu and the Pondicherry and Karaikkal regions of Pondicherry state. This year we have introduced 8 new prizes for regional level winners.



(N. Rajasekaran)
Hon. Secretary